INDEX

AUDIO INTERNATIONAL, Inc

www.audiointl.com

Product Catalog

QUIT

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DECRANE AIRCRAFT

Page Forward

HOW TO REACH US

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Phone: 514-337-0123 *FAX:* 514-337-5188

24 Hour Voice Mail at all Locations

Outstanding Customer Service & Support

Audio International's commitment to advanced product development is matched only by our commitment to providing our customers with the best Product Support in the industry.
Our 6-step support plan includes:

1. Developing field-serviceable products and providing on-site **Spare Parts Kits**.
2. Offering **product warranties** that set new standards for the industry.
3. Maintaining a 24 hour, 7 day-a-week **AOG Emergency Hotline**.
4. **24 Hour Repair Turnaround** for most repairs from our FAA Certified Repair Stations in North Little Rock, Arkansas (A4UR309J) and Tucson, Arizona (A4UD309J).
5. Making **Loaner Units** available for most standard modules and products.
6. Maintaining **Field Support Offices**, currently located in Wichita, Kansas; Tucson, Arizona; and Montreal, Canada.

PLUS...On-site field service specialists available for product training and installation support! Call for details. Copies of AI's Loaner/Repair, Standard Warranty, and After Hours Support Policies are available on request.

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Inflight Entertainment and Cabin Management Products

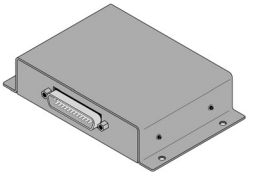
Audio International is the leader in the design and manufacturing of a complete line of customized products for inflight entertainment and cabin management for the Business/VIP Aircraft industry. From source equipment such as DVD and multi-CD players, to customized touch screen monitors, VIP/passenger switch panels, and LCD monitors, as well as lighting, air gaspers, speakers, amplifiers, equalizers switching, and all distribution modules required, Audio International can provide you with everything necessary to build a complete cabin system.

AUDIO ENTERTAINMENT

Audio is our first name...and we offer a complete family of high performance aircraft entertainment components with full-range sound quality guaranteed to please the most demanding audiophiles. From basic single-source audio to multiple source systems with complete passenger selectability, we deliver the components and expertise to serve your needs.

The audio components presented here form standard basic building blocks that can be arranged in almost any configuration for any size aircraft. These amplifiers and other audio components are built to rugged aircraft standards and are easily incorporated into new or existing cabin audio systems. All feature compact size, solid state circuitry, lightweight aluminum housings, and an attractive, durable anodized finish.

Pre-Amplifiers

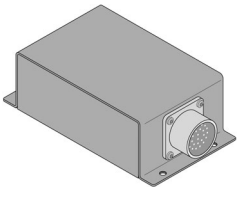


AI-LDC - Stereo Preamp with Differential Input Use one unit for each audio source. Pot adjustment for source signal level. 28 VDC operation. 0.30 lb / 0.14 kg; 3.1" x 5.0" x 1.05" / 7.9 x 12.7 x 2.7cm (l,w,h)

AI-LDC1 - Stereo Preamp with Remote Volume Control
Same as the AI-LDC with added remote volume capability. Adjust levels from remote location using momentary ground logic or 10 k pot. 28 VDC operation.
0.33 lb / 0.15 kg; Same housing as AI-LDC.

AI-LDC2 - Dual Stereo Preamp Two AI-LDC's in one case for use with 2 stereo sources.
28 VDC operation.
0.32 lb / 0.145 kg; Same housing as AI-LDC.

Chime/Page Interfaces

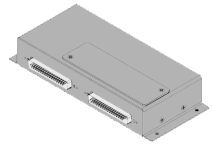


AI-STR-01A - Chime/Page Interface Allows cabin audio system to broadcast chime/page messages. Designed for use with existing PA amps. Automatically interrupts entertainment audio to cabin speakers for chime/page override. Accepts high level PA audio inputs. 28 VDC operation.
0.54 lb / 0.25 kg; 5.0" x 2.75" x 1.6" / 12.7 x 6.99 x 4.06cm (l,w,h)

MSM510-01-x - Chime/Page Interface Provides full aircraft chime/page functionality, three prioritized microphone inputs and one cabin briefing input are featured. Multiple digital chime options activated by ground or 28 VDC input provide two high-tone and two low-tone chime/page outputs. Input and output levels are independently adjustable. 28 VDC operation.
The "-x" suffix denotes the connector that is utilized; -1 = Positronic and -2 = D-Subminiature.
0.75 lb / 0.34 kg; 7.1" x 5.0" x 1.0" / 18.03 x 12.70 x 2.54cm (l,w,h)

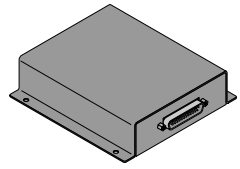
Audio Controllers

AI-LDC101-01-x - Four Source Audio Line Driver Four independent stereo audio input channels and 2 output channels for each input. Gain controls for the left and right output. Compact and lightweight pre-amplifier assists in the elimination of noise and interference. 28 VDC operation. 0.695 lb / 0.32 kg; 3.2" x 7.8" x 1.4"/ 8.13 x 19.56 x 3.56cm (l,w,h).

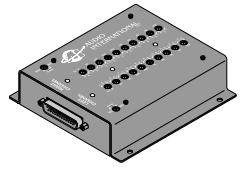


Equalizers

AI-DEQ-01 - Ten Band Digital Equalizer/Audio Processor Professional digital equalizer/audio processor that gives the passenger the ability to select eight preset music styles (classical, rock, jazz, pop, and four programmable presets). Features include ten different band frequencies at one-octave intervals. 28 VDC operation. 0.53 lb / 0.24 kg; 5.0" x 5.0" x 1.0" / 12.7 x 12.7 x 2.54cm (l,w,h).



AI-EQ1 - Ten Band Equalizer Professional stereo equalizer with differential inputs. Provides 10 one-octave steps of precise tuning to match audio to interior acoustics. Trim pot cover seals box and protects settings. 28 VDC operation.
0.65 lb / 0.29 kg; 5.15" x 4.95" x 1.3" / 13.1 x 12.6 x 3.3cm (l,w,h).



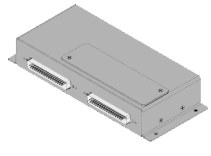
AI-EQ1/V - Ten Band Equalizer with Volume Control Same as AI-EQ1 with added remote volume control capability. Adjust levels from remote location using 10k pot. 28 VDC operation. 0.75 lb / 0.34 kg; Same housing as AI-EQ1.

Cabin & Headphone Source Selectors

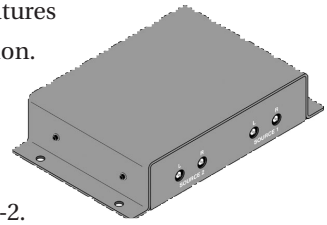
HDM-3 - Headphone Distribution Amp Provides 3 selectable stereo inputs (w/separate gain controls), mono PA input, 2 separate 5 WRMS stereo outputs, and integral chime/page override. Also used as source selector/preamp. 28 VDC operation.
0.47 lb / 0.21 kg; 3.1" x 5.0" x 1.3" / 7.9 x 12.7 x 3.9cm (l,w,h).

ACM-5 - Audio Control Module Provides up to 5 selectable stereo inputs (low impedance). volume control, bargraph outputs, and 4 WRMS stereo output. 28 VDC operation.
0.605 lb / 0.27 kg; 3.1" x 7.1" x 1.15" / 7.9 x 18.0 x 29cm (l,w,h).

ACM-8-Ox-x - Audio control Module Provides up to 8 selectable stereo audio inputs, volume control, bargraph outputs, and binary volume data for digital displays. 28 VDC operation.
The "-Ox" within the model number denotes the specific model configuration and the "-x" suffix denotes the connector that is utilized; -1 = Positronic and -2 =D-Subminiature.
0.8 lb / 0.36 kg; 3.2" x 7.7" x 1.4" / 8.13 x 19.56 x 3.56cm (l,w,h).



AIS-2 - Audio Source Selector Provides selection between two stereo sources. Features differential switching, independent trim for all inputs, and constant ground source selection. 28 VDC operation. 0.50 lb / 0.23 kg; 3.1" x 5.0" x 1.05" / 7.9 x 12.7 x 2.7cm (l,w,h).



AIS-2A - Audio Source Selector Same as AIS-2 except with momentary logic instead of constant ground source selection. 28 VDC operation. 0.50 lb / 0.23 kg; Same housing as AIS-2.

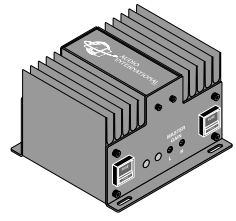
Surround Sound

ASP-301-01-x - Surround Sound Processor The ASP-301-01-x accepts both analog and digital autio inputs. Via RS-485 data bus communication, this unit commands distribution of processed audio to cabin audio power amplifiers. It allows multiple source audio inputs to be selected. Integrated cabin audio surround sound processor with four digital audio source inputs and one analog audio input. Three binary unit ID pin inputs identify each module on the data bus in a multi-unit configuration (up to eight units total on the same AI proprietary RS-485 data bus.) Mute input and capable of full range audio (20 Hz to 20 kHz ± 1 dB). 28 VDC operation. *The "-x" suffix denotes the connector that is utilized; -1= Positronic and -2 = D-Subminiature.* 6.3 lb / 5.4 kg; 16.58" x 11.58" x 3.50" / 42.11 x 29.41 x 8.89cm (l,w,h).

Audio Amplifiers

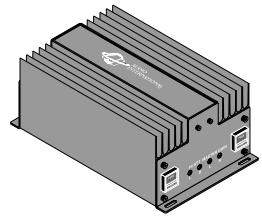
All audio amplifiers shown provide a convenient 12 VDC, 3 Amp output for powering source components which eliminates the need for separate inverter/converters.

100 Watt Amplifiers



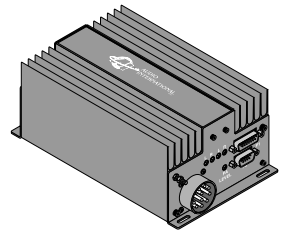
AI-ST100X - 100 Watt, Stereo Power Amplifier This basic audio component delivers high performance, excellent frequency response, and clear sound quality. 2 channels, 50W per channel RMS. 28 VDC operation. 1.90 lb / 0.86 kg; 4.5" x 4.75" x 3.1" / 11.4 x 12.0 x 7.9cm (l,w,h).

200 Watt Amplifiers



AI-ST200X - 200 Watt, Stereo Power Amplifier Two ST100X amps combined into one enclosure. 4 channels, 50W per channel RMS. 28 VDC operation.
3.3 lb / 1.5 kg; 8.0" x 4.75" x 3.1" / 20.3 x 11.96 x 7.9cm (l,w,h).

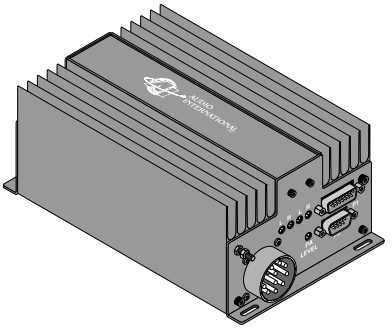
AI-SW200X - 200 Watt, Dual Audio Amplifier Two ST100X amplifiers combined into one enclosure with a built-in 135Hz crossover. Provides separate subwoofer and midrange/tweeter outputs for powerful full range performance. 4 channels, 50W per channel RMS. 28 VDC operation.
3.3 lb / 1.5 kg; Same housing as AI-ST200X.



AI-W400X - 200 Watt, Stereo Subwoofer Power Amplifier
Same as the AI-SW-200X except with 2 built-in 135 Hz crossovers. 4 subwoofer outputs for powerful bass. Accepts low level PA audio inputs. 4 channels, 50W per channel RMS.
28 VDC operation. 3.3 lb / 1.5 kg; 8.0" x 4.7" x 3.1" / 20.3 x 11.9 x 7.9cm (l,w,h).

200 Watt Amplifiers with PA Override

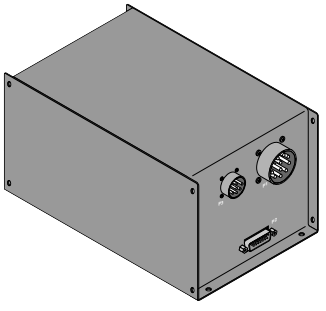
AI-ST400X - 200 Watt, Stereo Power Amplifier This cabin audio amp delivers high performance, excellent frequency response, and clear sound quality. Includes PA audio override with gain adjust.
4 channels, 50W per channel RMS. 28 VDC operation.
2.95 lb / 1.33 kg; 8.62" x 4.74" x 3.12" / 12.04 x 21.9 x 7.92cm (l,w, h)



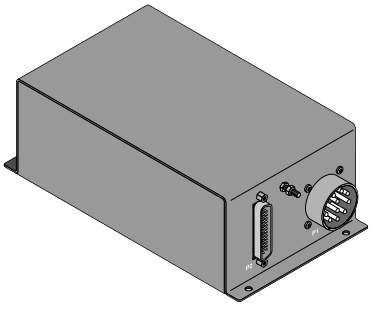
AI-SW400X - 200 Watt, Dual Audio Amplifier Professional amplifier with built-in 135 Hz crossover. Separate subwoofer and midrange/tweeter outputs for powerful full range performance. Includes audio override with gain adjust. Accepts low level PA audio inputs.
4 channel. 50W per channel RMS. 28 VDC operation. Same size and weight as the AI-ST400X.

300 Watt Amplifiers with PA Override

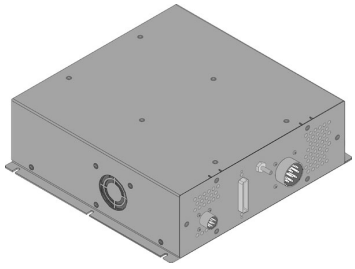
PA-475-A(-B,-C) - 300 Watt, Class"D" Stereo / Subwoofer Amplifier
High performance amplifier with built-in 135 Hz crossover network for subwoofer frequencies. Two separate midrange/tweeter and two subwoofer outputs for powerful full range performance. Models A & C have 4 channels, 75W per channel RMS. Model B has 4 channels, 50W per channel RMS (200 Watt total). 115 Vac operation.
5.1 lb / 2.3 kg; 9.3" x 4.9" x 4.0" / 23.62 x 12.45 x 10.16cm (l,w,h).
-B and -C: 5.2 lb / 2.36 kg



PA-475-01-x - 300 Watt, Class "D" Stereo / Subwoofer Amplifier
Same high performance operation as the PA-475-A except that this amp can be configured for either 4 midrange/tweeter outputs, or two midrange/tweeter and two subwoofer outputs. Accepts low level PA audio inputs. 4 channels, 75W per channel RMS. 28 VDC operation.
The "-x" suffix denotes the connector that is utilized;
-1=Positronic and -2=D-subminiature.
2.6 lb / 1.18 kg; 8.0" x 4.74" x 2.69" / 20.32 x 12.04 x 6.83cm (l,w,h).



PA-480-01-x - 300 Watt, Class "D" Stereo / Subwoofer Power Amplifier



It is a 4-channel audio amplifier composed of two separate amplifiers with two channels each. The PA-480-01-x produces 4 x 75 W output power. It can be configured for up to four full range speakers or two full range and two subwoofer outputs. It produces high fidelity stereo audio output for the entertainment system and monaural audio output for PA/chime functions. The amplifier is designed to interface with Autio International's proprietary RS-485 data bus, allowing all entertainment switch panels to perate the amplifier. 115 VAC operation.

The "-x" suffix denotes the connector that is utilized;
-1=Positronic and -2=D-subminiature.

6.5 lb / 2.95 kg; 9.1" x 9.8" x 3.0" / 23.11 x 24.89 x 7.62cm (l,w,h).

PA-3100-01-x - 300W, Class A/B 3-way amplifier, 100 WRMS per channel

It produces 3 x 100 WRMS output power and can be configured for up to three full range speaker outputs or surround sound applications. It produces high fidelity audio for the entertainment system. While delivering high output, excellent frequency response, and clear sound quality. 115 VAC operation @ 400 Hz.

The "-x" suffix denotes the connector that is utilized;
-1=Positronic and -2=D-subminiature.

11.2 lb / 5.08 kg; 10.3" x 9.0" x 4.3" / 26.16 x 22.86 x 10.92cm (l,w,h).

"ALL-IN-ONE" ENTERTAINMENT CONTROL

Total Cabin Audio/Video Control

These compact, lightweight audio/video controllers combine entertainment selection and control (ie. chimes/paging, power supply, infrared control), and other functions into one central unit, eliminating other separate modules. Cuts cost/weight, frees space, and simplifies wiring. Programmable microprocessor control allows tremendous flexibility for custom configurations. These "all-in-one" systems provide complete single or split cabin entertainment control using switch panels or infrared remote control. Digital displays incorporated into the passenger control panels indicate audio/video source selection, volume, trim levels, or other configured functions.

Digital Data Bus for Simplicity

The controller and switch panels are connected through an RS-485 serial data bus. The data bus controls audio and video, provides status indication, and greatly simplifies system wiring. Setups, adjustments, number of sources, source names, and split cabin control can all be conveniently programmed directly from any switch panel on the data bus without having to physically access the audio/video controller.

AV-4590 Provides audio and video selection for the aircraft cabin entertainment system.

28 VDC operation. 7.1 lb / 3.22 kg; 8.72" x 13.76" x 3.5" / 22.15 x 34.95 x 8.89cm (l,w,h).

- Up to 8 Audio, and 12 Video Source inputs
- Output to 24 Audio and 17 Video stations (headphone and cabin audio)
- Two 10 Band, 1/3 Octave Graphic Equalizers
- PA Audio Input & Passenger Briefer Input
- Remote Control Capability
- Audio On Demand, Audio Input for up to 13 locations
- Video Briefer capability
- ID Strapping to allow multiple units with the same data bus system
- Electronic Trim Control

AV-4591 Identical to the AV-4590 with no Audio On Demand and is capable of providing up to 12 Audio Source Inputs.

28 VDC operation. 7.1 lb / 3.22 kg; 8.72" x 13.76" x 3.5" / 22.15 x 34.95 x 8.89cm (l,w,h).

AV-3232 Provides an audio/video distribution unit that is comprised of two functional modules; audio control and video control. Using commands issued from switch panels, touch screens, or electroluminescent panels, the module distributes the audio/video signals received from the entertainment equipment and distributes them to monitors, cabin speakers, and headphones. 28 VDC operation. 7.1 lb / 3.52 kg; 9.5" x 8.6" x 5.0" / 24.13 x 21.84 x 12.7cm (l,w,h).

Audio Control Module

- Accepts 32 stereo audio sources
- Provides input buffering and level control for each of the inputs
- A 32 x 32 stereo crossbar switch arrangement allows each of the 32 outputs to individually select any of the 32 inputs
- Each output contains an audio processor which provides volume, bass and trebel control.
- Each output contains an audio amplifier to drive headphone or audio inputs to other modules such as amplifiers or equalizers
- Provisions are made for PA audio input

Video Control Module

- 32 video inputs
- 32 video inputs that allows independent control of each of the outputs
- Video briefer override

AV-4596 Provides a switching matrix for complex systems utilizing multiple sources for audio and video entertainment. 28 VDC operation. 4.96 lb / 2.25 kg; 9.39" x 10.5" x 3.50" / 23.85 x 26.67 x 8.89cm (l,w,h).

- Allows multiple audio/video inputs to be selected and routed independently to Monitors, Speakers, and Headphones
- Up to 16 entertainment audio source inputs
- Up to 16 video source inputs
- Output to 16 audio stations for personal headphones and/or cabin speaker amplifiers
- 16 video stations for personal or cabin monitors
- Control, configuration, and interface with other components via Audio International's RS-485 serial data bus
- Three binary ID pins identify each module on the data bus in a multi-unit configuration
- A PA Input mutes all Entertainment Audio when PA is activated
- A Video Briefer Key Input Overrides all Entertainment Video when Briefer is activated. The Source Input for the Briefer is Configurable
- Power-up defaults can be configured for each output
- Lightweight, rugged aircraft design

A/V-9665 Provides audio and video selection as well as a high-powered, highly efficient audio power amplifier and internal graphic equalizer for the aircraft cabin entertainment system. The unit also serves as a public address, chimes amplifier, and video briefer with entertainment audio override. 28 VDC operation.
5.6 lb / 1.55 kg; 7.0" x 11.75" x 3.5" / 17.8 x 29.9 x 8.9cm (l,w,h).

- Up to 8 Audio and 4 Video Source inputs
- Output to 12 separate audio and video stations (headphone and cabin audio)
- 300 Watt Audio Amplifier - 4 channel / 75W per channel
- 10 Band, 1/3 Octave Graphic Equalizer
- Microphone Input & Passenger Briefer Input
- 12 VDC Output for Powering Source Equipment
- Remote Control Capability
- Internal Electronic Crossover
- Electronic Trim Control

A/V-9690 Provides the same basic functions as the A/V-9665. 28 VDC operation.
8.0 lb / 3.63 kg; 8.72" x 13.86" x 3.5" / 22.1 x 35.2 x 8.9cm (l,w,h).

- Up to 8 Audio and 8 Video Source inputs
- Output to 16 separate audio and video stations (headphone and cabin audio)
- Independently Control 2 Cabin Sections
- Configurable to Bi-level or Split Cabin
- 300 Watt Audio Amplifier - 4 channel / 75W per channel
- 10 Band, 1/3 Octave Graphic Equalizer
- Three Microphone Inputs & Passenger Briefer Inputs
- 12 VDC Output for Powering Source Equipment
- Remote Control Capability
- Internal Electronic Crossover
- Electronic Trim Control

"CABIN READY" ENCLOSURES

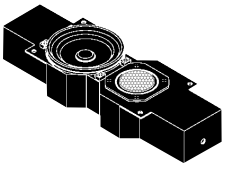
Audio International's high quality speakers feature durable, lightweight aluminum enclosures with solid welded seams and acoustic damping for clean sound with no "buzz" or vibration. Specialized acoustic engineering packs maximum performance into the most compact enclosures possible.

Our line of speaker enclosures is constantly expanding as we develop new enclosures every year. For limited space applications we offer combination enclosures with excellent full range sound. For more elaborate systems, better sound can be obtained using combinations of low range woofers/subwoofers and high range mid/tweet or full range enclosures. Custom speaker enclosures are available on request. We would be happy to create the right enclosure to suit your special needs. Please call for information and pricing.

Speaker Enclosure Features

- 5 Year Warranty
- 10 Years Proven Design Reliability
- Black Anodized Finish*
- Lightweight Construction
- Integral Mounting Hardware
- Latest Speaker Technology

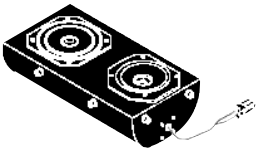
**except where powder-coat enamel is indicated*



EN-MT-45A

Midrange/Tweet Enclosure

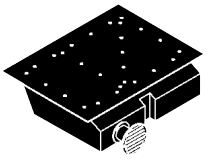
3.5" midrange and 1.0" tweeter. High quality midrange with excellent high range response. 4 or 8 ohms. 40 watts. 1.65 lb / 0.75 kg; 11.0" x 3.5" x 2.0" / 27.9 x 8.9 x 5.1cm (l,w,d)



EN-MT-60-xx

Mid/Tweet Enclosure

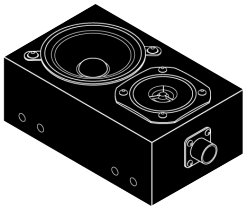
4.25" midbass and 1.0" tweeter. Internal crossover. Provides a natural full range sound. 4 or 8 ohms. 40 watts. 2.7 lb / 1.2 kg; 8.25" x 4.3" x 2.46" / 20.96 x 10.9 x 6.25cm (l,w,d)



EN-W-60-x

Subwoofer Enclosure

5.0" woofer. Providing a bold bass response. 4 ohms. 50 watts. 8.5 lb / 3.66 kg; 10.9" x 14.0" x 3.51" / 27.7 x 35.6 x 8.9cm (l,w,d)



EN-301MT-xx

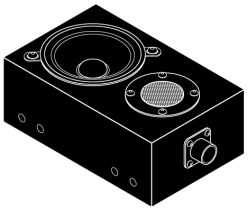
Mid/Tweet Enclosure

3.5" midrange and 0.5" tweeter. Excellent with separate woofer installations. 4 or 8 ohms. 40 watts. 1.65 lb / 0.75 kg; 6.0" x 3.75" x 2.25" / 15.2 x 8.9 x 5.7cm (l,w,d)

EN-302MT-xx

Mid/Tweet Enclosure

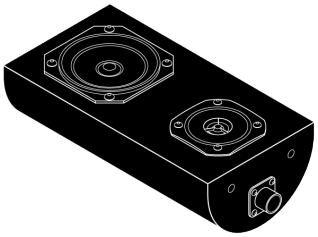
3.5" midrange and 0.5" tweeter Slightly smaller size and narrower frequency response than EN-301MT. 4 or 8 ohms. 40 watts. 1.5 lb / 0.7 kg; 7.0" x 3.75" x 1.7" / 17.8 x 9.5 x 4.4cm (l,w,d)



EN-303MT-xx

Mid/Tweet Enclosure

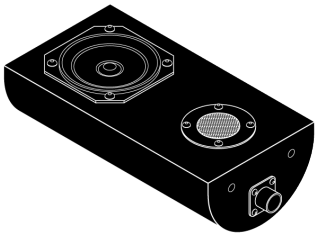
Same as En-301MT with 1.0" higher quality dome tweeter. 4 or 8 ohms. 40 watts. 6.0 lb / 0.77 kg; 6.0" x 3.75" x 2.25" / 15.2 x 9.5 x 5.7cm (l,w,d)



EN-401MT-xx

Mid/Tweet Enclosure

4.0" midbass and 0.5" tweeter. Works as full range enclosure. Rounded shape for easier installation. 4 or 8 ohms. 60 watts. 2.5 lb / 1.1 kg; 8.25" x 4.3" x 2.5" / 21.0 x 11.0 x 6.5cm (l,w,d)



EN-402MT-xx

Midbass/Tweet Enclosure

Same as EN-401MT but with 1.0" higher quality dome tweeter. 4 or 8 ohms. 60 watts. 2.13 lb / 0.97 kg; 8.25" x 4.3" x 2.55" / 21.0 x 11.0 x 6.5cm (l,w,d)

EN-403MT-xx

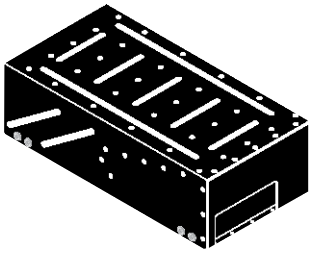
Midbass/Tweet Enclosure

High quality 4.0" midbass and 1.0" dome tweeter. 4 or 8 ohms. 60 watts. 2.7 lb / 1.2 kg; 9.0" x 4.75" x 2.5" /23 x 12.0 x 6.3cm (l,w,d)

EN-404MT-xx

Midbass/Tweet Enclosure

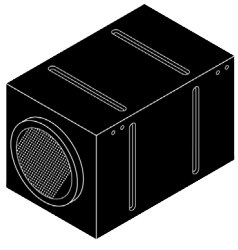
4.0" midbass and 1.0" tweeter. 4 or 8 ohms. 60 watts. 2.85 lb / 1.37 kg; 8.5" x 4.6" x 2.5" / 21.6 x 11.7 x 6.35cm (l,w,d)



EN-600W-xx

Ported Woofer Enclosure

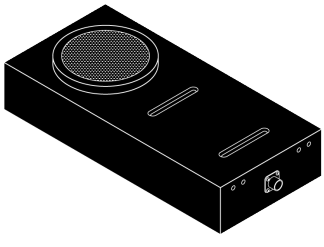
6.5" woofer. Pigtail connector. High end bass response providing bold yet subtle audio. 4 or 8 ohms. 60 watts. 6.6 lb / 2.99 kg; 14.0" x 7.17" x 4.37" / 35.6 x 18.2 x 11.1cm (l,w,d)



EN-601W-xx

Subwoofer Enclosure

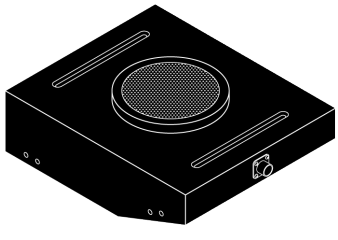
Designed for bulkhead/cabinet installation. High-power woofer in a subwoofer enclosure. 4 or 8 ohms. 100 watts. 9.25 lb / 4.2 kg; 7.5" x 7.5"x 12.25" / 19.0 x 19.0 x 31.0cm (l,w,d)



EN-602W-xx

Woofer Enclosure

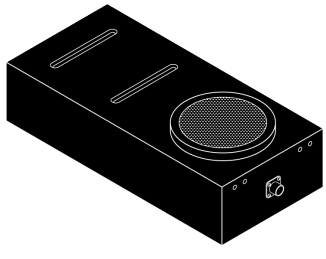
For shallow mounting. Quick response woofer good for kick bass. 4 or 8 ohms. 60 watts. 4.7 lb / 2.13 kg; 7.5" x 7.5" x 3.75" / 40.6 x 19 x 9.5cm (l,w,d)



EN-604W-xx

Woofer Enclosure

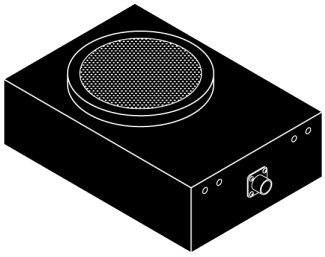
Designed for side wall mounting. Quick response woofer. 60 watts. 4 or 8 ohms. 5.8 lb / 2.6 kg; 12.0" x 10.0" x 4.25" / 30.5 x 25.4 x 10.8cm (l,w,d)



EN-607W-xx

Subwoofer Enclosure

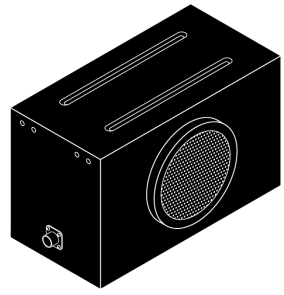
Designed for bulkhead/cabinet installation. 4 or 8 ohms. 100 watts. 8.7 lb / 3.95 kg; 16.0" x 7.5" x 4.5" / 40.4 x 19 x 11.4cm (l,w,d)



EN-608W-xx

Woofer Enclosure

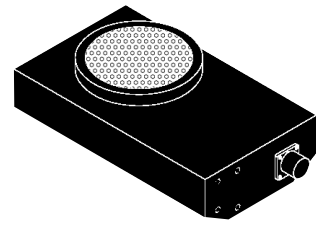
Compact woofer with big soucnd.
4 or 8 ohms. 60 watts.
5.58 lb / 2.53 kg; 10.0" x 7.0" x 3.75"
/ 40.6 x 17.8 x 9.5cm (l,w,d)



EN-611W-xx

Subwoofer Enclosure

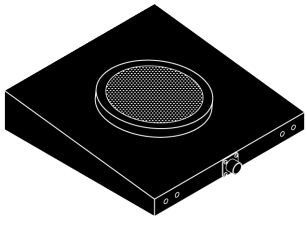
Designed for bulkhead/cabinet installation. 4 or 8 ohms. 100 Watts.
3.8 lb / 8.4 kg; 12.0" x 7.5" x 6.75"
/ 30.5 x 19 x 17.1cm (l,w,d)



EN-620W-xx

Woofer Enclosure

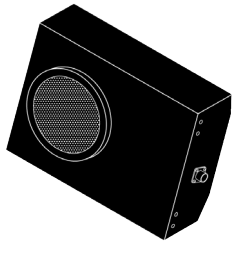
6.5" woofer. Distortion free low frequency audio. 4 or 8 ohms.
60 watts. 5.7 lb/2.59 kg;
12.0" x 7.0" x 3.5" /
30.5 x 17.78 x 8.9cm (l,w,d)



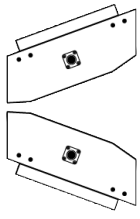
EN-612W-xx

Woofer Enclosure

For lower sidewall installation between ribs. 4 or 8 ohms. 60 watts.
5.6 lb / 2.54 kg;
10.0" x 10.0" x 4.0" / 30.5 x 19.0 x 17.0cm (l,w,d)

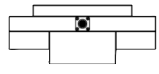


EN-609W-xx & 610W-xx Special shape for sidewall installation between ribs. The 609 & 610 are reverse versions of the same enclosure.
4 or 8 ohms. 60 watts. 6.3 lb / 2.9 kg;
14.0"x 8.8" x 3.75" /
35.6 x 22.3 x 9.5cm (l,w,d)



EN-610W and EN-609W
end view

EN-612W
side view



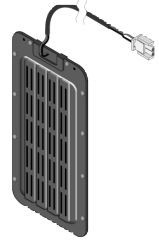
EN-612W
end view

Options for all enclosures:
4 = 4 ohm version (when available)
8 = 8 ohm version (when available)
P = Pigtail with Molex connector instead of Cannon connector
All woofer/subwoofer enclosures include grills. Optional Crossovers available.

EN-650W-xx

Subwoofer Enclosure

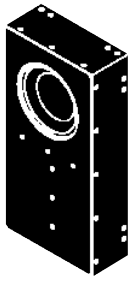
A high quality powered subwoofer speaker enclosure with an 8” driver. This enclosure exhibits excellent low-frequency response to provide maximum low-end response for a complete full-range audio system.
200 WRMS. 115 VAC operation @ 400 Hz.
19.58 lb / 8.88 kg; 12.0" x 9.0" x 16.0" / 30.5 x 22.9 x 40.6cm (l,w,d)



EN-802MT-5P

Flat Panel Planer

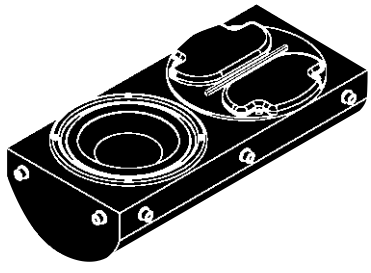
Provides a tightly focused sweet spot.
5 ohms. 30 watts. 0.9 lb/0.41 kg;
8.0" x 4.0" x 0.4" /
20.32 x 10.16 x 1.02cm (l,w,d)



EN-802W-x

Subwoofer Enclosure

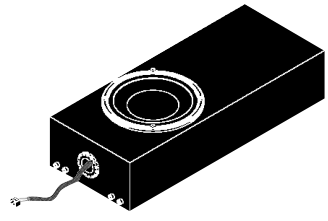
5.0" midrange. 4 or 8 ohms.
100 watts. 5.2 lb / 2.36 kg;
14.0" x 7.0" x 3.0" /
35.56 x 17.78 x 7.62cm (l,w,d)



EN-900MT-xx

Midrange/Tweet Enclosure

4.0" midbass and 60mm planar tweeter. Ported enclosure. Perfect for low frequency response. 4 or 8 ohms. 100 watts. 3.41 lb / 1.55 kg;
10.75" x 4.75" x 3.09" /
27.3 x 12.1 x 7.8cm (l,w,d)



EN-900W-4P

Woofer Enclosure

6.0" woofer. Honeycomb design. Low frequency audio response at minimum power. 4 or 8 ohms.
120 watts. 4.3 lb / 1.95 kg;
17.0" x 7.0" x 3.75" /
43.2 x 17.8 x 9.5cm (l,w,d)

SPEAKERS

TWEETERS, MIDRANGE, COAXIALS, WOOFERS, and GRILLS

We offer a complete line of separate speaker drivers, many of which are manufactured to Audio International specifications exclusively for aircraft use. Create your own high quality system using the following tweeters, mid-ranges, coaxials, and woofers.

Tweeters

AI-LPG26NA

1" Aluminum Dome

Neodynium magnet. 8 ohms only. 80 watts. hexa-grid diaphram. 0.15 lb / 0.068 kg; 0.5" mounting depth.

AI-TW60A

0.5" Polymer Dome

Ferrofluid cooled voice coil. 8 ohms only. 40 watts max. with proper crossover. 0 .115 lb / 0.5 kg; 0.5" mounting depth.

AI-H625-06

1" Fabric Dome

Neodynium magnet. Fluid filled voice coil. 6 ohms. 90 watts max. hexa-grid diaphram. 0.2 lb / 0 .093 kg; 0.5" mounting depth.

AI-DT25

1" Mylar Dome

Ferrofluid cooled high powered coil. 6 ohms. 100 watts max. with proper crossover. 0.115 lb / 0.5 kg; 0.5" mounting depth.

Midrange

AI-351-x

3.5" Midbass/Midrange

High power - compact size. 4 or 8 ohms available. 40 watts. 0 .93 lb / 0.42 kg; 1.5" mounting depth.

AI-5150-x

4.5" Midrange

Excellent in 3-way system with woofer and tweeter. Also works well as PA speaker. 4 or 8 ohms available. 40 watts. 1.09 lb / 0.49 kg.; 2" mounting depth.

AI-5102-x

4.5" Midbass

Very tight smooth sound. 4 or 8 ohms available. 50 watts. 1.935 lb / 0.88 kg; 2" mounting depth.

Coaxials

AI-5150CX-x

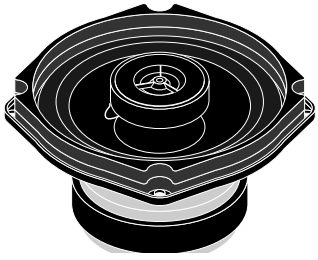
4.5" Coaxial

Mylar tweeter. 4 or 8 ohms available. 40 watts. 1.2 lb / 0.54 kg; 1.625" mounting depth.

AI-5.25CX-x

5.25" Coaxial

Mylar tweeter. 4 or 8 ohms available. 60 watts. 2.08 lb / 0.95 kg; 2" mounting depth.



AI-6.5CX-x

6.5" Coaxial

Mylar tweeter. 4 ohms only. 60 watts. 2.58 lb /1.17 kg; 3" mounting depth.

Woofers

AI-512-x

5.25" Woofer Good bass response in limited space installations. 4 or 8 ohms available. 40 watts. 2.195 lb / 0.99 kg; 2.4" mounting depth.

AI-612-x

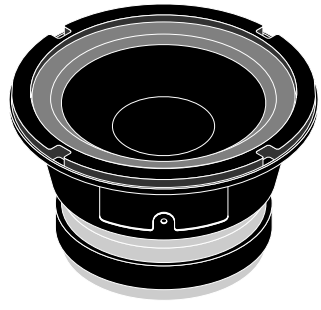
6.5" Woofer

Fast response driver, well suited for 2-way systems. 4 or 8 ohms available. 60 watts. 2.36 lb / 1.075 kg; 2.8" mounting depth.

AI-620-x

6.5" Subwoofer

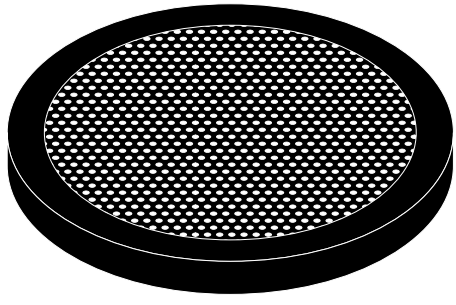
Well suited for low frequencies. 4 or 8 ohms available. 100 watts. 4.56 lb / 2.07 kg; 3.125" mounting depth.



Grills

AI-MG/R-450 For 4.5" speaker.
AI-MG/R-525 For 5.25" speaker.
AI-MG/R-650 For 6.5" speaker.

Hexa-grid metal grill. Paintable black finish. Includes mounting hardware.



Note: The "x" suffix in the model number denotes the audio impedance.

HEADPHONES

HEADPHONES & HEADPHONE CONTROL PANELS

Audio International is an authorized dealer for Sennheiser, an industry leader in aviation headphone technology. Audio International headphone panels and Sennheiser headphones - the perfect combination for the quietest listening and the highest quality in personal audio entertainment.

Sennheiser Headphones

HD-451-x - Noise Canceling Headphones

Provides a 10 dB drop in external noise volume by inverting ambient sound. Delivers high quality audio from 20 Hz to 18 kHz with less than 1% THD. In-line battery power unit for noise canceling circuitry uses 2 AA batteries and provides up to 80 hours of operation. 1/8" (3.5mm) miniature phono plug and a 2.5mm jack for 12 VDC power.
0.45 lb / 0.20 kg; (including batteries)
270 ohms impedance.

HDC-45-16 - Noise Canceling Headphones

Same as HDC-451-x except requires a separate 12 VDC input. A perfect match for the HSP-045-x headphone panel (below) and SPS noise canceling headphone panel inserts. 1/8" (3.5mm) miniature phono plug. A 2.5mm jack for 12 VDC power. 0.35 lb / 0.16 kg; 270 Ohms impedance.

Headphone Control Panels

HSP-037-x / HSP-037(C)-x

Programmable Headphone Panel

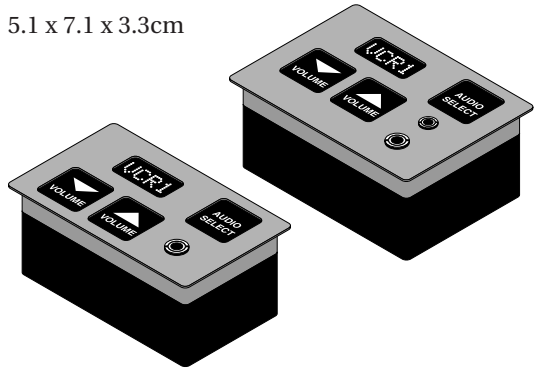
Pre-engineered for easy configuration. SP style switchpanel combines volume up/down, source select, headphone jack, and digital display in one self-contained unit. Provides 2 to 5 source selection with an internal library of 20 source names. Features pushbutton programming and loop-through (daisy chain) wiring. May be programmed or reprogrammed at any time.
Standard plating options are available.
28 VDC operation. 0.34 lb / 0.15 kg;
1.75" x 2.8" x 1.3" / 4.04 x 7.1 x 3.3cm (l,w,h)

A "C" in the product name indicates the presence of a removable cover bezel.

HSP-045-x

Noise Canceling Headphone Panel

Specifically designed for use with the HDC-45-16, Noise Canceling headphones (above). 0.34 lb / 0.15 kg; 2.0" x 2.8" x 1.3" / 5.1 x 7.1 x 3.3cm



SOURCE EQUIPMENT FOR CABIN AUDIO/VIDEO ENTERTAINMENT

With Audio International source equipment installed in your aircraft, you never have to worry about costly cabinet or interior remodeling just because you cannot find a replacement for the compact disc player that has failed. We not only go to the extraordinary lengths to maintain equipment size and footprint through every technology advancement and redesign, we also DO-160C test for vibration, power input, voltage spikes, and EMI emissions as well as, provide our customers' with the best Product Support in the industry.

Video Cassette Players

VCP-010-06/07-x - Multi-Standard Video Cassette Player

This unit plays versions of NTSC, PAL, and MESECAM video cassettes. The video output format is selectable between NTSC or PAL mode. AI source equipment can be optionally controlled by infared remote (AI-RC1-170xxx). Playback options with this remote include visual search, pause, play, stop, fast forward, rewind, eject, and format. A unique infrared strapping feature allow up to either four or eight similar devices to be used in the same system at the same time while maintaining independent control. The number of devices available for use in the strapping feature depends on the unit's infrared system configuration. The "-06" model is equipped with a curved front panel bezel while the "-07" incorporates a flat front panel bezel. 28 VDC operation. *The "-x" suffix designates the type of connector that is utilized; -1=Positronic and -2=D-subminiature.*

8.75 lb / 3.97 kg; 13.57" x 10.55" x 4.45" / 34.5 x 28.6 x11.3cm (l, w, h)

VCP-014-xx-x - Multi-Standard Stereo Video Cassette Player

The VCP-014-xx-x is a 4 Head Video Cassette Player that is specifically designed to meet the special requirement of aircraft use. The unit plays NTSC, PAL, SECAM, and MESECAM video formats (its output is the same as its input). In addition, the VCP-014-xx-x is capable of defaulting to the video input source when the tape is off. The VCP-014-xx-x can be mounted in a cabinet or bulkhead. A unique strapping feature allow up to four similar devices to be used in the same system at the same time while maintaining independent control. 28 VDC operation.

9.25 lb / 4.2 kg;

4.02" x 14.0" x 11.79" / 10.2 x 35.6 x 29.9 cm (h,w,d)

VCP-015-xx-x - Video Cassette Player

The VCP-015-xx-x is a 4 Head Video Cassette Player that is specifically designed to meet the special requirement of aircraft use. The unit plays NTSC, PAL, and MESECAM video formats. In addition, the VCP-015-xx-x is capable of optionally controlled by an infrared remote (AI-RC1-170xxx). The VCP-015-xx-x can be mounted in a cabinet or bulkhead. A unique strapping feature allow up to four similar devices to be used in the same system at the same time while maintaining independent control. 28 VDC operation.
9.7 lb / 4.4 kg; 4.45" x 13.63" x 10.95" / 11.3 x 34.62 x 27.81 cm (h,w,d)

Cassette Tape Players

CTP-201-xx-x - Cassette Tape Player High quality cassette tape player features cassette track selection, track advance/reverse, metal tape selection, and Dolby B noise reduction. Full range frequency response (30 Hz to 18 kHz). 28 VDC operation.
2.31 lb / 1.04 kg; 2.19" x 7.38" x 6.51" / 5.56 x 18.75 x 16.54cm (h,w,d)

RCP-201-xx-x - Cassette Tape Player/ AM-FM Tuner

Same cassette tape player as CTP-201-xx-x with added AM-FM tuner, Additional features included AM-FM band selection, as well as, 6 AM/FM preset memory locations, and two auto station scan functions. 28 VDC operation. 3.1 lb / 1.4 kg; 2.2" x 7.27" x 7.89" / 5.56 x 18.47 x 20.04cm (h,w,d)

Note: The "-xx" in the model numbers designate the configuration of the unit. The "-x" suffixes designate the type of connectors utilized.

Digital Video Disc "DVD" Players

The DVD represents digital medium that squeezes an entire feature film on a CD-size disc! And you don't have to give up existing CD's to take advantage of this new format. The DVD also plays standard Audio CD's. The new DVD format offers an amazing array of interactive video features, similar to CD-ROM. Each disc can provide up to eight sound-track language options and up to 32 new subtitles. Digital control enables frame by frame disc advancement, slow-motion, instant jumps to any point in a movie without rewinding, fast-forwarding, or freezing on a single frame. You can also program specific segments to play in your favorite order or at random. DVD discs and players are typically manufactured with special coding to operate only within a specific region of the world. Traditionally, these regional codings have not been compatible. For example, a DVD disc sold in Western Europe (region 2) will not play on a DVD player manufactured for North America (region 1). Audio International's multi-regional models are the first DVD players designed for aircraft that overcomes this obstacle. The players are capable of playing DVD discs from any of the existing regions in the world without any modifications or changes in settings.

DVD-201-0x-x - Digital Video Disc Player The DVD-201-0x-x can be mounted in a cabinet or bulkhead. A unique strapping feature allows up to eight similar devices to be used in the same system at the same time while maintaining independent control. For DVD discs equipped with a Dolby Digital™ (AC-3) soundtrack, this allows decoding of six discrete audio channels – front L/R, center channel, rear L/R, and subwoofer – for a theater-like sound experience. The DVD-201-02-x and DVD-201-03-x operate exactly as does the DVD 201-01-x except for the following modifications. The DVD-201-02-x has 28 VDC keyline output on pin 15 when the device is playing. Pin 15 toggles to ground when device is not playing. The DVD-201-03-x has tray standoffs that allow it to be mounted from 0° up to a 10° angle. 28 VDC operation.
3.31 lb / 1.50 kg; 9.91" x 7.18" x 3.32" / 25.12 x 18.24 x 8.4cm (h,w,d)

DVD-221-xx-x - Digital Video Disc Player The DVD-221-xx-x is a high quality video disc player specifically designed to meet the special requirements of aircraft use. This video disc player represents a new digital medium with the capacity to incorporate an entire feature film – up to 133 minutes of full-motion video per side on a 4 inch DVD compact disc. Also, the DVD unit plays standard 4 inch audio CD's. The DVD-221-xx-x can be mounted in a cabinet or bulkhead. A unique strapping feature allows up to four similar devices to be used in the same system at the same time while maintaining independent control and it can be configured for IR remote control Multi-regional models available. Full range frequency response (4 Hz to 20 kHz). Models with NTSC and PAL output formats. 720 pixels per horizontal line. 28 VDC operation.
3.9 lb / 1.77 kg; 4.6" x 7.38" x 10.01" / 11.7 x 18.75 x 25.43cm (h,w,d)

Note: The "-xx" in the model numbers designate the configuration of the unit.
The "-x" suffixes designate the type of connectors utilized.

DVD-222-xx-x - Digital Video Disc Player The DVD222-xx-x incorporates digital control features that enable frame by frame advancement, slow-motion video playback, instant jump to any point in a movie, fast-forwarding, and freezing on a single frame. The DVD-222-xx-x is configured to accept digital infrared commands that allow the unit to interface with infrared handheld remote controls (AI-RC1-170-xxxx). The unit is configured to be fully compatible with AI's proprietary RS-485 digital data bust control systems. The DVD-222-xx-x is multi-regional compatible (Regions 1 thru 6 formats). Video output will be NTSC ONLY. 28 VDC operation.
4.48 lb / 2.03 kg; 4.45" x 10.35" x 11.31" / 11.3 x 26.75 x 28.73cm (h,w,d)

DVD-223-xx-x - Digital Video Disc Player The DVD-223-xx-x is a digital medium that allows an entire feature film on a CD-size disc. This unit will also play standard audio CD's. In addition, multi-regional models are available which have the capability of playing DVD discs from any of the existing regions in the world without any modifications or changes in settings. The DVD-223-xx-x format offers an array of interactive video features, similar to a CD-ROM. Each disc provides up to eight soundtrack language options and up to 32 subtitles. Digital control enables frame by frame disc advancement, slow-motion, instant jumps to any point in a movie without rewinding, fast forwarding, or freezing on a single frame. The DVD-223-xx-x can also be programmed for specific segments to play in a favorite order or at random and it can be configured for IR remote control. Full range frequency response (4 Hz to 20 kHz). Models with NTSC and PAL output formats. 720 pixels per horizontal line. 28 VDC operation.
4.4 lb / 1.99 kg; 4.02" x 14.0" x 10.01" / 10.21 x 35.56 x 25.43cm (h,w,d)

DVD-224-xx-x - Digital Video Disc Player The DVD-224-xx-x is a full-featured DVD player designed to play DVD movies in an aircraft cabin environment. DVD represents a new digital medium with the capacity to incorporate an entire feature film on a single disc. DVD also features high-resolution video for improved picture quality and digital audio for enhanced sound quality. The unit also plays standard audio CD's and can be configured for IR remote control. Multi-Regional models are available. Full range frequency response (4 Hz to 20 kHz). Models with NTSC and PAL output formats. 720 pixels per horizontal line. 28 VDC operation.
4.25 lb / 1.93 kg; 3.54" x 8.63" x 10.01" / 8.99 x 21.92 x 25.43cm (h,w,d)

Note: The "-xx" in the model numbers designate the configuration of the unit.
The "-x" suffixes designate the type of connectors utilized.

Ten Disc Compact Disc Players

MCD-102-CH-x
MCD-102-RU-x - Ten Disc CD Player System
Two-part player system comprised of control head (-CH) and remote CD changer (-RU). Allows complete control of track & disc selection and play. It features track/disc search, repeat, scan, random play mode, advance, reverse, and pause functions. Full range frequency response (20 Hz to 20 kHz). 28 VDC operation. 2.19 lb / 0.99 kg; 3.5" x 10.3" x 7.26" / 8.9 x 26.2 x 18.4cm (h,w,d)

MCD-104-xx-x - Ten Disc CD Player
Same compact disc player as the MDC-102 system except with both components enclosed in a single enclosure. 28 VDC operation.
9.25 lb / 4.20 kg; 4.22" x 14.0" x 8.62" / 10.7 x 35.6 x 21.9cm (h,w,d)

Single Compact Disc Players

SCD-201-xx-x - Compact Disc Player The SCD-201-xx-x is a compact disc player specifically designed to meet the special requirements of aircraft use. The unit allows complete control of track selection. The unit has a high quality output and a full range frequency response of 20 Hz to 20 kHz. A removable cover bezel allows customization of the unit to other decor and it can be configured for IR remote control. The SCD-201-xx-x can be mounted in a cabinet or bulkhead. A unique strapping feature allows up to four similar devices to be used in the same system at the same time while maintaining independent control. 28 VDC operation.
3.0 lb / 1.36 kg; 2.30" x 7.38" x 6.68" / 5.8 x 18.5x 16.97cm (h,w,d)

RCD-201-xx-x - Compact Disc Player / AM-FM Tuner Same compact disc player as SCD-201-xx-x except with added AM-FM tuner, Additional features include AM-FM band selection, as well as, 6 AM/FM preset memory locations, and two auto station scan functions. 28 VDC operation.
3.0 lb / 1.36 kg; 2.30" x 7.38" x 6.68"/ 5.8 x 18.5x 16.97cm (h,w,d)

Note: The "-xx" in the model numbers designate the configuration of the unit. The "-x" suffixes designate the type of connectors utilized.

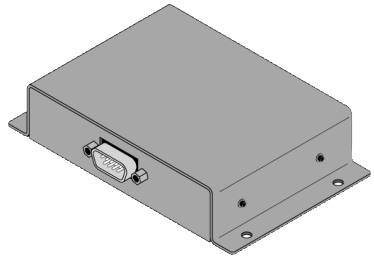
VIDEO ENTERTAINMENT

Audio International's versatile family of video control modules further demonstrate total cabin entertainment capabilities. As part of the " building block" system, they are easily integrated with multiple video sources, monitors, passenger information systems, or even cameras for complete video entertainment.

Our video components are built to rugged aircraft standards. All video modules feature compact size, solid state circuitry, light weight aluminum housings, and a durable anodized finish. All modules are multi-standard (all video formats) and are compatible with CRT or LCD monitors. All video switching, buffering, and amplification is handled using solid state technology and is compatible with 1 V(p-p) signals. Please call for information concerning S-video applications.

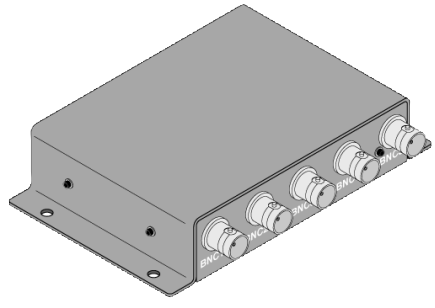
Source Selection and Distribution

VSS-xx-x-T (-NT) - Video Source Selector Amplifier



The unit is designed to accept from two to four video input sources and select one video output using a momentary ground sequencing input, either sequentially or randomly. The "-xx" in the model number indicates the specific number of video input sources the unit may switch. The "-x" in the model number designates the configuration of the unit.
28 VDC operation.
The "T" suffix implies that each of the video inputs is terminated with a 75-ohm resistor. The "NT" suffix implies that each video input is high impedance and is not terminated.
0.39 lb / 0.18 kg; 3.1" x 5.0" x 1.05" / 7.9 x 12.7 x 2.7cm (l,w,h)

VA-400-1(NT) - Video Distribution Amplifier

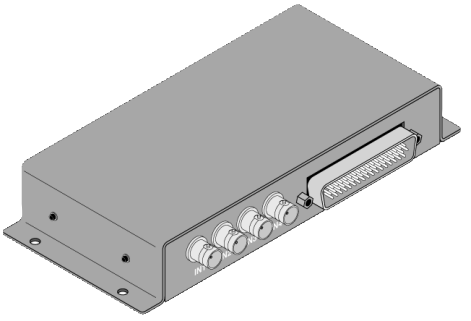


Distributes one video signal to 5 outputs (standard configuration). Ideal for driving multiple monitors from one video source. The VA-400's can be cascaded for additional flexibility. 28 VDC operation. Terminated and non-terminated models are available. 0.39 lb / 0.18 kg;
3.1" x 5.0" x 1.05" / 7.9 x 12.7 x 2.7cm (l,w,h)

VSS-480-xx (NT) - Multiple Channel Video Selector

Provides selection for up to four video sources for any one of either monitors. The 4 x 8 "crossbar" switchers are ideal for installations with multiple monitors and video sources. 28 VDC operation.

The "-xx" suffix in the model number indicates the custom configuration per the customer's specific needs. The (-NT) is optional equipment that designates non-termination of the video signals.



0.93 lb / 0.42 kg; 3.14" x 7.1" x 1.14" / 8.0 x 18.0 x 2.9 cm (l,w,h)

VSS-840-xx (NT) - Multiple Channel Video Selector

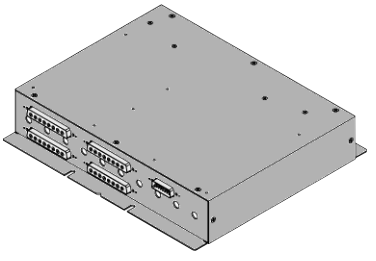
Provides the needed selection for up to eight video sources. Up to four monitors can independently be selected. The 8 x 4 "crossbar" switchers are ideal for installations with multiple monitors and video sources.
28 VDC operation.

The "-xx" suffix in the model number indicates the custom configuration per the customer's specific needs. The (-NT) is optional equipment that designates non-termination of the video signals.

0.93 lb / 0.42 kg; 3.14" x 7.1" x 1.14" / 8.0 x 18.0 x 2.9cm (l,w,h).

VSS-1616-xx-x - Multiple Channel Video Selector

Provides independent selection capability for up to sixteen video sources to up to sixteen video output locations. The internal 16 x 16 crossbar switch is ideal for installations with multiple monitors and video sources. Each VSS-1616-xx-x video source input incorporates a differential input to reduce or eliminate the effects of induced EMI and ground loop interferences. 28 VDC operation.

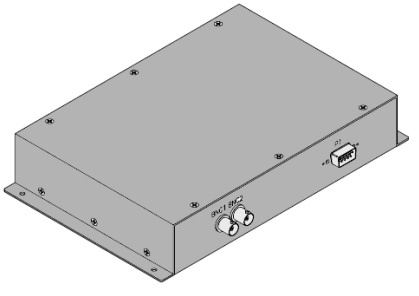


The "-xx" within the model number denotes the specific model configuration and the "-x" suffix denotes the connector that is utilized.

2.0 lb / 0.91 kg; 9.4" x 10.5" x 2.0" / 23.9 x 26.7 x 5.1cm(l,w,h).

AI-VC-101 (102) - Video Converter

Provides the necessary signal to convert SECAM, PAL, MESECAM, and NTSC video input standard into NTSC output of 3.58. The unit is an active device that requires only power and ground connections. 28 VDC operation.



1.54 lb / 0.70 kg; 6.47" x 9.41" x 1.66" /16.43 x 23.90 x 4.22cm (l,w,h).

LCD MONITORS

Audio International's high resolution monitors are specially designed for corporate aircraft featuring the latest technology for outstanding display quality. Advantages of "solid state" monitors include ultra-thin compact construction, lighter weight, and magnetic interference immunity (from adjacent speakers, power lines, etc.).

Standard finish is black anodized aluminum. Standard plating options are also available and allow you to match other components such as switch panels and light fixtures. AI's LCD monitors feature strategically placed inserts on all sides and back for simple mounting.

Convenient, on-screen menus (10.4, 12.1, 15.1, and 18.1" monitors) guide you through brightness, color and other settings. Menus are controlled using an external switch (SP-LCD2 or SP-LCD4). Switch can be temporarily connected for adjustments or permanently mounted near the monitor.

AI-LCD65-xx-x - 6.5" LCD Monitor Audio International's 6.5-inch LCD personal viewing monitor is specially designed for corporate aircraft use and is configured for NTSC video only.

Features:

- High Resolution, 234 x 320
- 262, 144 Colors
- 300 NIT Brightness
- Ultra Thin
- Lightweight, compact size
- Solid state circuitry
- TFT (thin film active matrix)
- Ports for adjustment of color, tint and contrast
- Normal finish is black anodized (plating options available)
- Flat screen
- High resolution
- Passive ventilation keeps the monitor cool
- Models equipped with versatile swivel mounts and Left/Right Hand "S" shaped mounts.
- Multiple bases available for cabin versatility
- Bulkhead Mounted Models
- Collapsible In-Chair Arm Models makes monitor easy to stow
- Choice of configurations
- 28 VDC operation

1.9 lb / 0.86 kg; 6.42" x 7.43" x 0.99" / 16.31 x 18.87 x 2.51cm (h,w,d)

AI-LCD104-xx-x - 10.4" LCD Monitor A flat panel LCD monitor combining high resolution and the latest LCD technology for the highest quality display. The state of the art thin film transistor active matrix drive system ensures brilliant color reproduction and excellent contrast. The thin film transistor attached to each pixel allows accurate control, suppresses crosstalk, and produces high contrast images. The fast response time provides a superior image without distortion or smearing.

Features:

- High Resolution, 640 x 480
- 262, 144 Colors
- 250 NIT Brightness
- Ventilated Housing
- Light Weight
- Composite, Multi-Standard (NTSC, PAL, SECAM), XGA and SVGA

AI-LCD121-xx-x - 12.1" LCD Monitor A flat panel monitor combining high resolution and the latest LCD technology. The unit supports multi-standard (NTSC, PAL, SECAM) and SVGA video formats. The monitor casing is specially coated for EMF shielding. Inside the monitor, a silent cooling fan ventilates the internal components and prevents undesirable heat buildup. A shallow mounting depth makes this monitor ideal for bulkhead use. Convenient mounting holes are strategically located on the left and right side tabs. An optional front cover bezel may be purchased for added mounting capabilities. Other plating options are available and allow matching to other cabin decor of the aircraft. 800 x 600 High Resolution, 250 NIT Brightness, and 28 VDC operation.
4.90 lb / 2.21 kg.; 10.25" x 14.14" x 2.48" / 25.91 x 35.92 x 6.3cm (h,w,d).

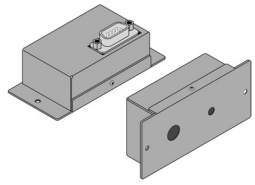
AI-LCD151-xx-x - 15.1" LCD Monitor The AI-LCD151-xx-x monitor is also a flat panel monitor similar to the AI-LCD121-xx-x, 12.1" LCD Monitor. Models are available with Clamshell Housings, Bulkhead Mount capabilities, and Swivel Arms. 1024 x 768 High Resolution, 200 NIT Brightness, and 28 VDC operation.
7.25 lb / 3.29 kg; 11.45" x 16.01" x 2.63" / 29.08 x 40.67 x 6.68cm (h,w,d).

AI-LCD181-xx-x - 18.1" LCD Monitor A flat panel LCD monitor with multi-standard video, XGA capabilities, internal cooling fan, and on screen menus to guide the user through brightness, color, and other settings. It combines high resolution, 1280 x 1024, and the latest LCD technology for the highest display quality. This monitor is designed for bulkhead mounting and an optional, decorative cover bezel is available upon request. The removable cover bezel allows for future bezel modifications.
200 NIT Brightness and 28 VDC operation.
12.05 lb / 5.47 kg; 14.31" x 18.03" x 2.75" /
36.35 x 46.48 x 6.99cm(h,w,d).

Note: The "-xx" in the model numbers designate the configuration of the unit.
The "-x" suffixes designate the type of connectors utilized.

IR CONTROL SYSTEMS

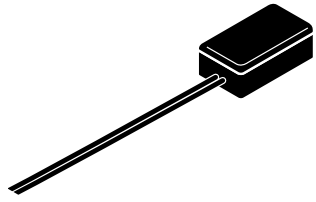
Interfaces and Controllers



IFR-485-xx-x - Infrared Repeater System Provides the necessary interface to convert hand-held remote (AI-RC1-17xxxx) signals to be sent through the data bus or infrared data lines for remote operation of cabin management functions or entertainment source equipment. The remote system gives the operator the capability of controlling all units from any location in the cabin. The unit allows remote operation even when equipment is hidden from line-of-sight (i.e. inside cabinets, remote cabin positions, etc). The unit is lightweight and compatible with most remote controlled equipment. 150mA at 28 VDC operation.

The "-xx" in the model number designates the configuration of the unit. The "-x" suffix designates the type of connector utilized.

0.12 lb / 0.05 kg; 1.63" x 3.6" x 1.0" / 4.14 x 9.14 x 2.54cm (l,w,h)



282-00 - "Sender" Additional IR emitter for use with the IFR-485-xx-x. Normally mounted on or near IR controlled device. Multiple senders may be connected to each IFR-485-xx-x for multiple control. 10' lead included.

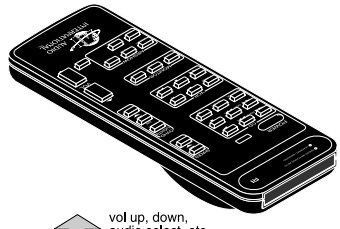
0.055 lb / 0.025 kg; (w/lead)

0.3" x 0.5" x 0.22" / 7.6 x 12.7 x 5.6 cm(l,w,h).

MSM2815 - Infrared Interface Module Provides interface for remote control of cabin accessories such as as shades, lights, etc. Requires an IFR-485-xx-x to receive infrared signals from the hand-held remote. The MSM2815 decodes signals received through the IFR-485-xx-x and activates the defined functions. Each unit can control up to 27 separate functions. 28 VDC operation.

0.39 lb / 0.18 kg; 5.0" x 5.0' x 1.05" / 12.7 x 12.7 x 2.7cm (l,w,h).

Hand Held Remote Control



AI-RC1-17xxx - Remote Control Transmitter

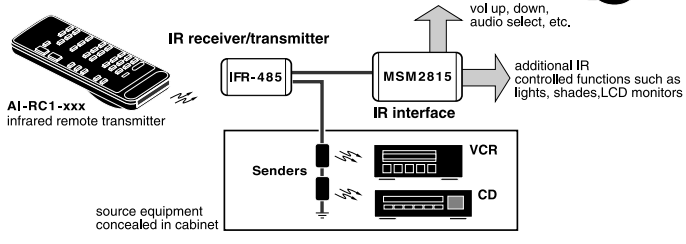
Programmable for up to 48 customer defined functions. Includes a custom faceplate (additional charge for custom colors and logos). The AI-RC1 can also be programmed by the user.

xxx=custom version number assigned with order. Uses four "AAA" batteries.

0.38 lb / 0.17 kg;

7.5" x 2.75" x 1.1"/

19 x 7.0 x 2.8cm (l,w,h).



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DIGITAL TEMPERATURE CONTROL SYSTEM

Audio International offers true thermostatic control of your cabin environment. The digital temperature system includes a digital control module which interfaces with the aircraft temp system, dedicated temp control panels, and the solid sate temperature probes. The system communicates between the control panels, control module, and probes via serial data bus.

System Components

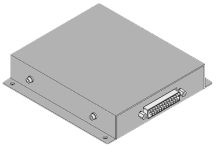
MSM2891-xx-x - Digital Cabin Temperature Controller Provides data bus logic, digital potentiometer, and input for up to eight temperature probes. 28 VDC operation.

The "-xx" in the model number designates the potentiometer output resistance value necessary for the specific aircraft configuration. The pot value is customer specified to match the specific heating/cooling system. The "x" suffix denotes the type of connector utilized.

0.48 lb / 0.22 kg; 5.0" x 5.0" x 1.05" / 12.7 x 12.7 x 2.67cm (l,w,h)

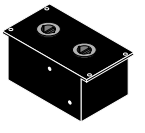
MSM2892-100-x - Digital Cabin Temperature Controller Provides RS-485 serial data bus logic, 100-ohm digital potentiometer, and input for up to eight temperature probes. The unit processes and averages reading from the probes. A minimum of four probes is recommended for basic system. 28 VDC operation. 0.48 lb / 0.22 kg; 5.0" x 5.0" x 1.05" / 12.7 x 12.7 x 2.67cm (l,w,h).

MSM2894-xx-x - Digital Temperature Controller In combination with a temperature control switch, provides a control system that allows for the regulation of the ambient cabin temperature. 28 VDC operation.



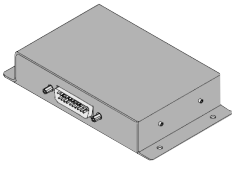
0.5 lb / 0.23 kg; 5.0" x 5.0" x 1.0" / 12.7 x 12.7 x 2.54cm (l,w,h).

TS-103-x - Temperature Probe Connects directly to AI's proprietary serial data bus and provides ambient temperature readouts back to the controlling touch screen or passenger control device. 28 VDC operation.



0.70 lb / 0.32 kg; 2.09" x 4.05" x 2.54" / 5.3 x 10.29 x 6.45cm (l,w,h).

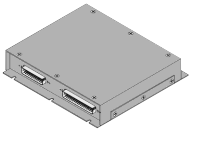
MSM283-x - Cabin Temperature Controller Cabin temperature controller that controls the cabin environmental systems using an isolated resistive element. This low-profile module mounts remotely, isolating the passenger from control circuitry. 28 VDC operation.



0.70 lb / 0.32 kg; 2.09" x 4.05" x 2.54" / 5.3 x 10.29 x 6.45cm (l,w,h).

MSM2920-xx-x - Digital Cabin Temperature Controller

Provides an interface between the cabin temperature control and the aircraft temperature unit. 28 VDC operation.



0.11 lb / 0.05 kg; 1.76" x 3.06" x 1.08" / 4.47 x 9.14 x 2.74cm (l,w,h)

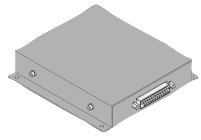
Note: The "-xx" in the model number designates the configuration of the unit. The "-x" suffix designates the type of connector utilized.

CABIN CONTROL

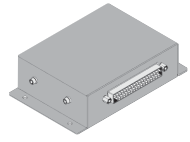
CABIN CONTROL MODULES

In addition to dedicated audio and video product, Audio International also offers a comprehensive family of Cabin Control Modules. These modules provide convenient solutions for a variety of frequently encountered interfacing needs or special requirements and are an important part of AI's "building block" system for configuring total cabin management.

These components are built to the same rugged aircraft standards as our audio and video components and are easily incorporated into new or existing systems. All feature compact size, solid state circuitry, lightweight aluminum housings, and a durable anodized finish.

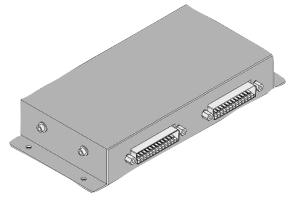


MSM2001 - Master Set/Reset Module Provides momentary ground pulse at power-up to set/reset control modules and cabin control switches with set/reset capabilities. 28 VDC operation.
0.5 lb / 0.23 kg; 3.1" x 5.01" x 1.05" / 7.87 x 12.73 x 2.67cm (l,w,h)



MSM281A - Alternate/Momentary Controller
Provides five separate circuits configurable as toggle/alternate action or momentary with set/reset capabilities for ach circuit. Each relay can control AC or DC devices up to 5 amp, maximum 28 VDC operation.
0.51 lb / 0.23 kg; 3.1" x 5.0" x 1.3" / 7.87 x 12.7 x 3.3cm (l,w,h).

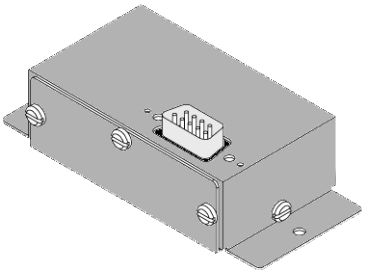
MSM295x - Variable Bright/Dim Controller
A two channel-one amp variable bright/dim controller. The primary function of this controller is to vary the intensity of lamps used in reading, table, or other lighting situations. The circuit uses a pulse width modulator circuit for power efficiency. The controller is designed with master on/off, bright, and dim functions in addition to the individual control inputs. 28 VDC operation.
0.775 lb / 0.35 kg; 5.0" x 5.0" x 1.0" /12.7 x 12.7 x 2.54cm (l,w,h)



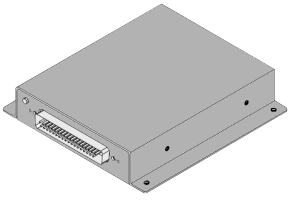
MSM2804-xx - Dual Sequencing Control Module Can be utilized for selecting mode functions, audio selections, video selections, etc. Normal stepping configuration is four steps then resets back to number one. By using jumpers, the module can be programmed to step 2, 3, or 4 times then reset. 750mA at 28 VDC operation.
The "-xx" suffix designates the configuration of the units.
0.56 lb / 0.25 kg; 4.0" x 6.5" x 1.0" /10.7 x 16.5 x 2.54cm (l,w,h).

Note: The "-xx" in the model number designates the configuration of the unit. The "-x" suffix designates the type of connector utilized.

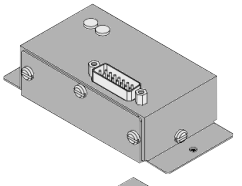
AI-485RP-10-x - RS-485 Data Bus Repeater Provides serial data bus drive and isolates data signals between two different legs of the RD-485 serial data bus. It acts as a load amplifier to prevent two different legs of the RS-485 serial data bus controlled modules. If a module fails due to overload, this repeater isolates the module to maintain the integrity of AI's RS-485 serial data bus. 20mA at 28 VDC operation.
0.13 lb / 0.59 kg; 1.76" x 3.6" x 1.08" / 4.47 x 9.14 x 2.74cm (l,w,h)



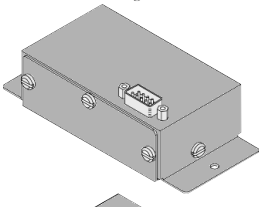
AI-485RP-20-x - RS-485 4-Way Data Bus Repeater Takes AI's proprietary RS-485 serial data bus signals and echoes the signals to a second RS-485 port. This is a quad-directional unit that allows signals to be transported in all directions at once. The AI-485RP-20-x isolates data signals between four different legs of the RS-485 serial data bus. It acts as a load amplifier to prevent overloads from installed Audio International RS-485 serial data bus controlled modules. If a module fails due to overload, this repeater isolates the module to maintain the integrity of AI's RS-485 serial data bus. 20mA at 28 VDC operation. 0.13 lb / 0.59 kg. Same housing as AI-485-10-x.



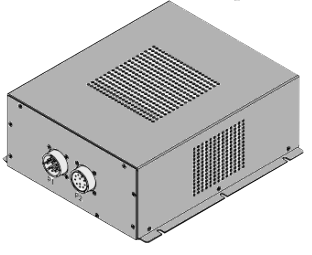
MSM2914-xx-x - Binary Control Module Provides continual polling of up to eight random inputs, a sequential input, and an OFF input 28 VDC operation.
0.53 lb / 0.24 kg; 5.0" x 5.0" x 1.0" / 12.7 x 12.7 x 2.54cm (l,w,h).



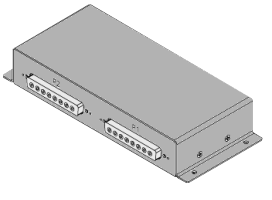
MSM2916-xx-x - Differential Audio LIne Driver Takes single ended stereo audio systems and turns the signals into a differential audio system. The unit provides the necessary interface to reduce the induced noise in the audio signal.
28 VDC operation. 0.11 lb / 0.05 kg; 1.76" x 3.6" x 1.08" / 4.47 x 9.14 x 2.74cm (l,w,h).



MSM2922-xx-x - Power Interruption Watchdog Module Provides last state capability to other data bus connected devices via a data bus command sent by the MSM2922-xx-x module. 28 VDC operation.
0.15 lb / 0.07 kg; 1.8" x 3.6" x 1.1" / 4.57 x 9.14 x 2.79cm (l,w,h).



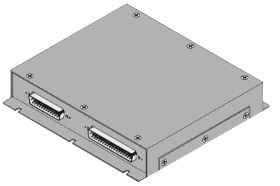
MSM2923-xx-x - Variable voltage Module Provides four independent variable 0 to 28 VDC voltage outputs with a maximum current capability of 3 Amps each, pulse-width modulated at 31 kHz. The module is utilized in applications where variable voltage output is needed for medium for medium to high power levels.
115 Vac operation. 8.5 lb / 3.86 kg; 10.4" x 8.9" x 3.8" / 25.4 x 22.61 x 9.65cm (l,w,h).



MSM2925-xx-x - Video Distribution Module Provides the necessary interface to maintain termination while allowing video signals to be distributed to different locations. 28 VDC operation.
0.8 lb / 0.36 kg; 3.17" x 7.79" x 1.3" / 8.05 x 19.79 x 3.30cm (l,w,h).

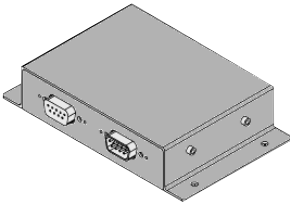
Note: The "-xx" in the model number designates the configuration of the unit. The "-x" suffix designates the type of connector utilized.

MSM2929-xx-x - 4 Channel Light Control Module Provides the necessary on/off and variable bright/dim output for indirect lighting control. 28 VDC operation.
1.50 lb / 0.68 kg; 6.53" x 6.86" x 1.35" / 16.59 x 17.42 x 3.43cm (l,w,h).



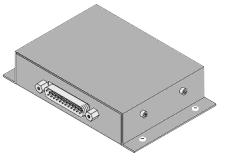
Translation Interfaces & Converters

MSM2927-xx-x - Translation Interface Allows non-Audio International equipment to interface with the RS-485 serial data bus. 28 VDC operation.
0.37 lb / 0.16 kg; 3.1" x 5.01" x 1.05" / 7.87 x 12.73 x 2.67cm (l,w,h).

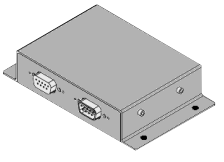


MSM2928-xx-x - Translation Interface Provides the necessary medium to convert AI's proprietary RS-485 serial communications to a standard RS-232 serial communication format and vice versa. 28VDC operation. 0.37 lb / 0.16 kg. Same housing as the MSM2927-xx-x.

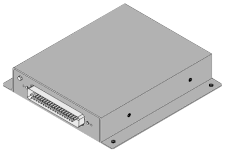
MSM2911-xx-x - Analog / RS-485 Digital Converter Provides the necessary medium to convert variable analog voltages to an RS-485 serial communication format for means of providing an interface to AI's proprietary RS-485 serial data bus. 28 VDC operation.
0.31 lb / 0.14 kg; 3.1" x 5.0" x 1.05" / 7.87 x 12.7 x 2.67cm (l,w,h).



MSM2912-xx-x - RS-232 / RS-485 Data Bus Converter Provides the necessary medium to convert standard RS-232 serial communications to an RS-485 serial communication format and vice versa for means of providing an interface to AI's proprietary. RS-485 serial data bus.
28 VDC operation. 0.30 lb / 0.14 kg; 3.1" x 5.01" x 1.05" / 7.87 x 12.73 x 2.67cm (l,w,h).



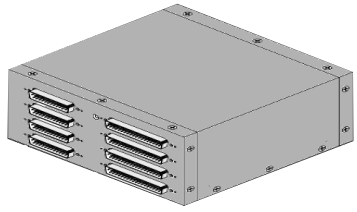
MSM2921-xx-x - Discrete to RS-485 Converter Module Provides the necessary medium to convert analog serial communications to a discrete output via AI's proprietary RS-485 serial communication format and vice versa for means of providing an interface to AI's proprietary RS-485 serial data bus. 28 VDC operation. 0.58 lb / 0.26 kg; 5.40" x 5.71" x 1.05" / 13.72 x 14.50 x 2.67cm (l,w,h).



Note: The "-xx" in the model number designates the configuration of the unit. The "-x" suffix designates the type of connector utilized.

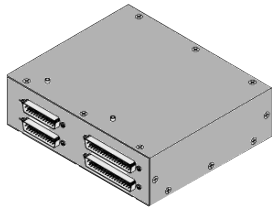
Power Control Modules

These Power Control Modules provide relay contacts, 28 VDC discrete inputs, variable voltage outputs, and potentiometers that are used to control various functions of the cabin management systems. Any device in the aircraft that requires switching can be controlled by these modules via AI's proprietary RS-485 serial data bus or by discrete inputs.

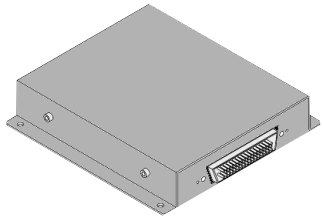


MSM2904-xx-x - Power Control Module Provides control functions that are maintained on four identical boards, which provide quadruple switching capacity. 28 VDC operation.
2.81 lb / 1.27 kg; 6.85" x 6.53" x 3.5" / 17.4 x 16.59 x 8.89cm (l,w,h)

MSM2905-xx-x - Power Control Module Provides control functions that are maintained on one board, which provides single switching capacity.
28 VDC operation. 1.5 lb / 0.68 kg; 6.86" x 6.53" 1.35"/ 17.4 x 16.59 x 3.43cm (l,w,h)



MSM2906-xx-x - Power control Module Provides control functions that are maintained on two identical boards, which provide twice the switching capacity. 28 VDC operation.
2.0 lb / 0.91 kg; 6.85" x 6.53" x 2.05" / 17.4 x 16.59 x 5.21cm (l,w,h)



MSM2909-xx-x - Power control Module Converts AI's proprietary serial data bus (RS-485) commands to infrared commands to control non-Studio International source equipment. this module is capable of providing control of up to three different styles of source equipment (DVD, VCP, etc.) per zone. 28 VDC operation.
0.50 lb / 0.23 kg; 5.0" x 5.0" x 1.0" / 12.7 x 12.7 x 2.54cm (l,w,h)

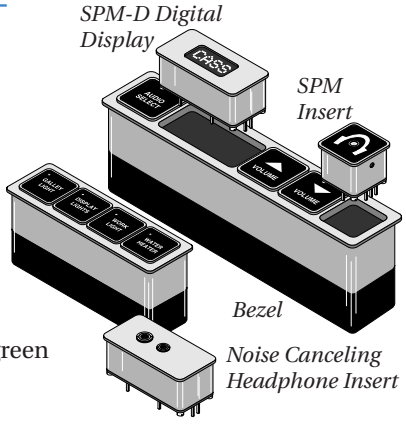
Note: The "-xx" in the model number designates the configuration of the unit.
The "-x" suffix designates the type of connector utilized.

PASSENGER CONTROL

PASSENGER CONTROL PANELS

Audio International produces two major series of passenger, headphone, and cabin control switch panels. Each offers unique advantages and features. Matching annunciator/call panels are also available. The following sections provide a brief overview of each series, the major differences, and options available. Due to the variables involved when configuring custom passenger control, please consult our marketing or systems engineering department when ordering. For more detailed information concerning passenger and cabin control switch panels, please refer to the respective technical data sheets.

The SPS Series



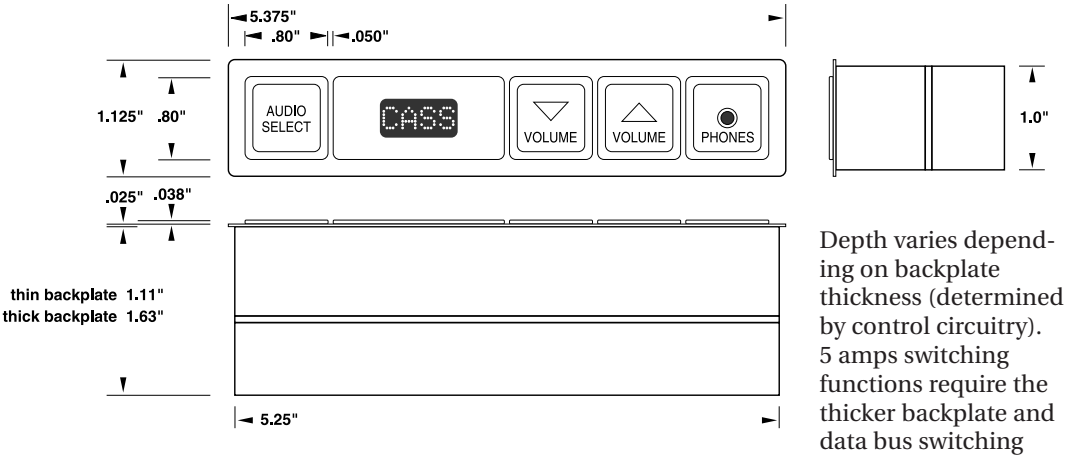
This modular series combines the elegant look and feel of membrane switches, yet is composed of unique removable inserts. This unique system is tremendously versatile, both cosmetically and electrically.

This series features user friendly programmable digital displays. The 4 and 8-digit alpha-numeric displays with highly visible characters show switch selections or settings. Choose green or amber LED's.

AI's building block approach simplifies the design of any cabin switch system. SPS switches can handle combined loads up to 5 amps. SPS panels simplify wiring, save space, reduce troubleshooting, and reduce weight more than 60% over equivalent "membrane" systems which require bulky external relay modules. 28 VDC operation.

SPS inserts provide building blocks used to configure almost any system. These inserts (SPM's used to configure all switch panels) are shown below. Many special inserts for variable lighting control, hot cup timer/switch, noise canceling headphone, temp control, and zero current draw are also available (see SPS tech sheets for more information).

Typical SPS Dimensions



Depth varies depending on backplate thickness (determined by control circuitry). 5 amps switching functions require the thicker backplate and data bus switching function.

SPS Custom Options

Technical options are usually dictated by the applications of a particular system. Cosmetic options are determined by customer or designer preferences. Our systems engineers will work with you to produce the most practical, functional, and attractive configurations possible. Standard options within the flexible SPS system yield a wide variety of looks and finishes to match any cabin decor. the following items must be specified when ordering switches.

Layout

- Number of panels and positions in each panel and whether the switch is vertically or horizontally aligned.

Switches

- Momentary or toggle action, 2 or 5 amp relays (determined by load).
- Various master/slave arrangements can be configured for multiple point switching.

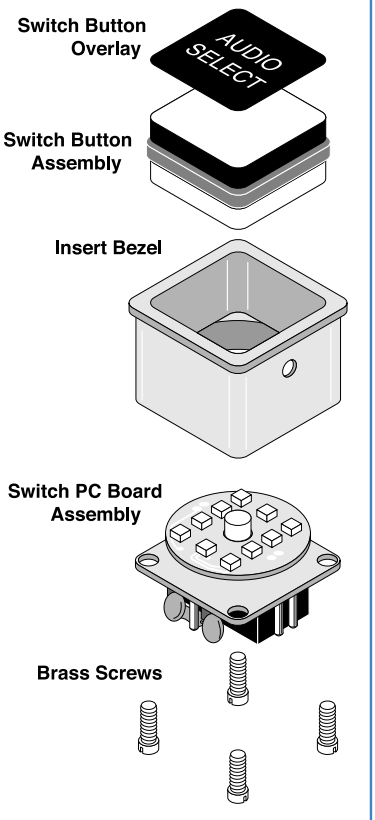
Lighting

- Optional status indicator LED's in red, green, amber, or blue. Single or dual color (optional) backlighting also available in red, amber, green, or blue (the backlighting functions as an indicator and the color indicates status).

Finish

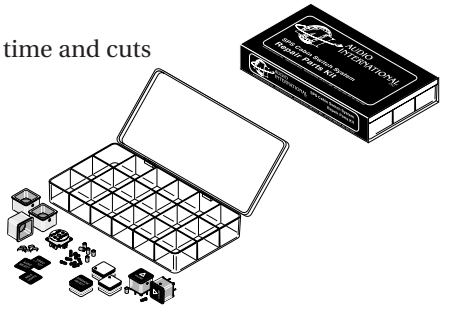
- Choice of lexan or engraved metal "overlays" (faceplates).
- Lexan overlays are extremely versatile. custom lettering, custom graphics, and a wide variety of colors provide a palette for designer creativity. Many beautiful color combinations are possible. High contrast combinations that provide maximum readability, i.e. dark colored backgrounds with light colored text/graphics are recommended.
- Metal overlays are available with standard plating options (brushed or satin finish only, additional charge for plating).
- Bezels and inserts are available with an anodized aluminum finish or standard plating options (additional charge for plating).

Field Repairable SPS



SPS SPARES KIT

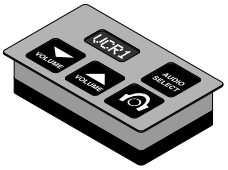
Available only when ordering SPS systems, the optional spare parts kit saves time and cuts repair costs. Packed in a small convenient case, easy to store aboard the aircraft, this handy kit contains extra fuses, and circuit boards. Since it is ordered at the same time as the full switch system, you have full assurance that the plating and finishes will match the rest of the system. Plated inserts are optional.



SPS Annunciators

Featuring low power LED lighting and all standard plating options.
Standard SPS annunciators and signage are available in two or three position panels with standard graphics. Special panel sizes are available on request as well as customer specified custom graphics. Back printed lexan overlays with black background and white or clear graphics. Choice of green, red, or amber backlighting.

The SP Series



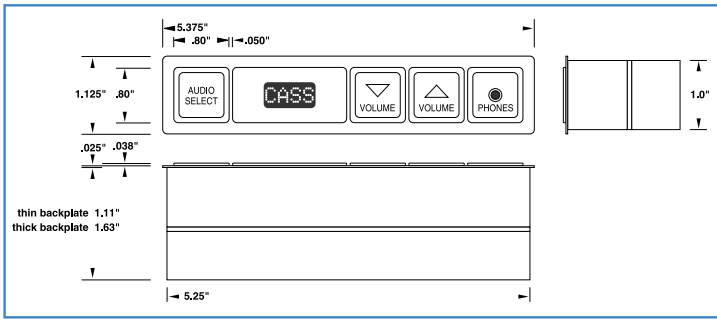
SP panels are constructed as single integral units including the bezel, overlay, circuitry, and backplate. This is the major difference between SP an SPS. SP panels are typically thinner, which is often critical in applications with limited mounting depth. SP panels are available with many style and configuration options.

All switches, circuitry, and backlighting are self-contained. Switches may be arranged horizontally or vertically as needed. SP switches offer the same momentary or toggle options as offered with the SOS series. Relays for handling 2 amp loads can be incorporated into the switchpanel or set up as separate modules (depending on mounting depth available). 28 VDC operation.

Optional status indicator LED's and backlighting are available in red, green, amber, blue. Digital displays and complete control circuits such as lighting, temperature control, etc., can be fully integrated into SP panels.

Choose between lexan or engraved metal "overlays". Metal overlays are available with standard metal plating (brushed or stain finish only, additional charge for plating). Lexan overlays are available with custom lettering, graphics, or colors. High contrast combinations (i.e. dark backgrounds with light graphics) are recommended for maximum readability. Bezels are available with standard anodized aluminum finish or your choice of metal plating (additional charge for plating).

Typical SP Dimensions



Panel depth varies depending on thick or hin bezel (determined by control circuitry).

2 amp switching functions require the thicker bezel.

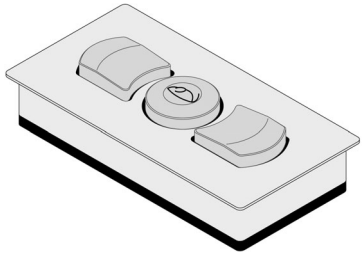
SP Solid State Mouse Modules

For today's airborne corporate office. High reliability and functionality for interfacing with Airshow 400, laptops, or other standard computer peripherals. Comfortable soft grey rubber with center button functioning as the pointer control ("mouse" icon on center button). Completely solid state – no moving parts. No need for mouse pad or flat surface. 5 VDC operation.

SP-450-x - equipped with a 12" pigtail connector and 6-32 x 0.75" long mounting studs. Installs into a mounting location with cutout dimensions of 3.5" x 1.738".

The "-x" suffix denotes the configuration of the unit.

0.21 lb / 0.09 kg; 3.5" x 1.8" x 0.5" / 8.9 x 4.6 x 1.27cm (l,w,h).

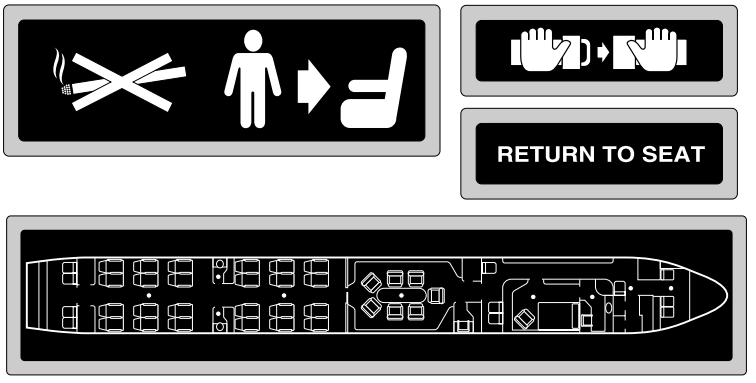


SP-509 - equipped with a 24" cable, which provides freedom of movement.

0.21 lb / 0.09 kg; 3.98" x 1.6" x 0.55" / 10.11 x 4.24 x 1.39cm (l,w,h).

SP Annunciators & Call Panels

Graphics available for all standard ordinance or custom signage. Featuring low power LED backlighting and shallow mounting depth, these panels are available with red, green or amber backlighting and standard SP cosmetic options. Custom panels are available in almost any size (up to 18" maximum). Contact our systems engineering department for availability, delivery and pricing.

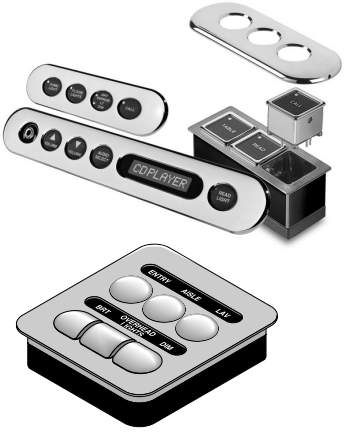


Custom Panel Designs

In addition to the endless looks and designs possible with standard overlay and plating options available. Audio International can customize entire switch designs and has developed several innovative approaches - all based on existing, proven switch technology.

Custom Designed SPS -The versatile SPS Series lends itself well to special cosmetic versions. Special machining of bezels and inserts yields distinguished custom looks.

Switch modules can be fitted, installed and system-configured independently from styling considerations, then bezels installed later as the finishing touches. Custom as well as standard bezels are available. Styling changes are readily accommodated and remodeling becomes a snap.
AI's newest approach, the SPS "cover" switches provide exciting, unique design possibilities while retaining traditional SPS based architecture.



Custom Designed SP - SP based panels provide yet another avenue for custom switch designs. Switch sizes, shapes, backlighting, and even the switch buttons themselves are easily sculpted into new creations. The possibilities and choices available to choose from increases with each newly developed switch style.

When your interior design calls for a special look, something new and different, give us a call. If you have seen another appealing look or style, we can recreate or incorporate that look into a special version. Put your imagination work. Our engineering staff will work directly with you or your designers to create new looks specially tailored to your requests and specifications.

Contact Audio International to discuss your switch requirements, availability, delivery schedules, or pricing.

TOUCH SCREENS

The touch panel control unit utilizes graphic images on a LCD, liquid crystal display. This control unit can be part of a complete cabin system. The application of the unit is specific to a particular aircraft based on the desires of the customer or designer. The Touch Screen allows control of the aircraft system through the "touching" of graphic images created for the monitor screen. Pressing these graphic images sends commands out over the serial data bus to other modules to control audio/video systems, galley functions lighting, temperature, etc.

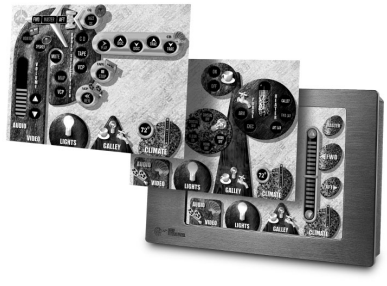
Touch Screen Panel Designs

These Touch Screens have been specifically designed to meet the special requirements of aircraft use. The flat panel monitor portion of the touch screen combines high resolution and the latest LCD technology for outstanding display quality. The state of the art "thin film transistor active matrix drive system" ensures brilliant color reproduction and excellent contrast. The thin film transistor attached to each pixel allows for accurate control of video characteristics, suppresses cross talk and produces high contrast images. The fast response time provides a superior image with no distortion or smearing.

AI-TSLCD65-xx-x - 6.5" Touch Screen Touch Panels require a removable cover bezel for the finishing touch. the cover bezel is sold separately and can be plated to match your interior.

Features

- High Resolution , 640 x 480
- 262, 144 Colors
- 300 NITS Brightness
- Composite, Multi-Standard (NTSC, PAL, SECAM0, and SVGA Format Models
- Interfaces with separate ECU, Electronic Control Unit
- Light Weight and Ultra Thin
- Magnetic Interference Immunity
- Black Anodized Aluminum Finished Housing, Standard
- Optional Plating for Housing
- Internal Cooling Fan
- Environmentally tested
- Bulkhead Mount Models
- Models equipped with Left Hand or Right Hand Collapsible Chair Arm Mounts
- Models with Removable Arm Mounts
- Models Outfitted with Left Hand or Right Hand Reticulating Arms
- 28 VDC Operation



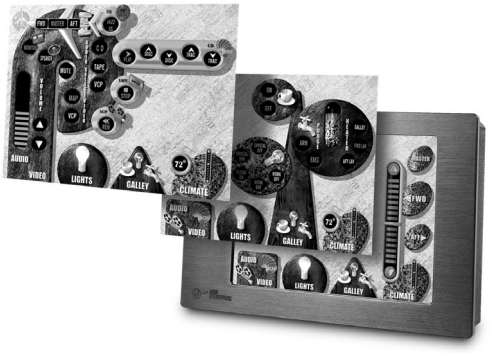
4.02 lb / 1.82 kg; 5.66" x 7.82" x 1.66" / 14.38 x 19.86 x 4.22cm (h,w,d).

Note: The "-xx" in the model number designates the configuration of the unit. The "-x" suffix designates the type of connector utilized.

AI-TSLCD104-xx-x - 10.4" Touch Screen

Features

- High Resolution , 640 x 480
- 262, 144 Colors
- 250 NIT Brightness
- Ventilated Housing
- Light Weight and Ultra Thin
- Magnetic Interference Immunity
- Black Anodized Aluminum Finished Housing, Standard
- Optional Plating for Housing
- Side and Back Inserts for Simple Mounting
- Internal Cooling Fan
- Models with Internal as well as External ECUs, Electronic Control Units
- Environmentally tested
- Bulkhead Mount Models Available
- Models equipped with Removable Arm Mounts
- Models with Removable Arm Mounts
- Models Outfitted with Headphone Jacks
- 28 VDC Operation

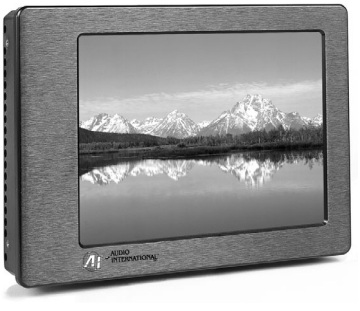


5.55 lb / 2.52 kg; 8.26" x 11.25" x 2.34" / 20.98 x 28.58 x 45.94cm (h,w,d).

AI-TSLCD181-xx-x - 18.1" Touch Screen

Features

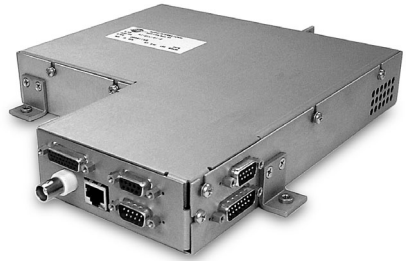
- High Resolution , 1280 x 1024
- 262, 144 Colors
- 250 NIT Brightness
- Multi-Standard NTSC
- Ventilated Housing
- Light Weight and Ultra Thin
- Magnetic Interference Immunity
- Black Anodized Aluminum Finished Housing, Standard
- Side and Back Inserts for Simple Mounting
- Internal Cooling Fan
- Internal ECU, Electronic Control Units
- Environmentally tested
- Bulkhead Mount
- 28 VDC Operation



12.05 lb / 5.47 kg; 14.31" x 18.3" x 2.75" / 36.35 x 46.48 x 6.99cm (h,w,d).

Note: The "-xx" in the model number designates the configuration of the unit. The "-x" suffix designates the type of connector utilized.

Control Unit



AI-ECU-xx-x - Electronic Control Unit Provides power and communication interfaces for AI's LCD touch screen monitors. The unit is a remote unit that enables AI's LCD touch screen devices to communicate with each other as well as with other devices connected to AI's proprietary RS-485 serial data bus. The unit acts as a high-speed interface AI's LCD touch screens. 28 VDC operation. 3.70 lb / 1.68 kg; 9.59" x 7.60" x 1.87" / 25.12 x 19.30 x 4.75cm (l,w,h).*

*varying model configurations may have differing weights and measurements, call for details.

Personal Switch Panels

AI-TSELD35A-xx-x - Electroluminescent (EL) Touch Panel

The AI-TSELD35A-xx-x series offer total entertainment and cabin management control through a touch sensitive solid-state Electroluminescent (EL) display. The menu-driven interface features an unparalleled level of control from a minimum number of components. The user interface for the AI-TSELD35A-xx-x EL Panel can be customized to suit a customer's requirements. The EL Panels are used to control other modules and components on Audio International's proprietary RS-485 serial data bus.

Optional cover bezels are provided separately. EL Panels provide a spring and lock tab for the simple mounting and removal of the cover bezel. Adjustable cam-lock mechanisms are provided on each end of the El Panel to provide mounting assistance. 500mA at 28 VDC operation. Mounting Depth: 1.4"/3.56cm.
0.635 lb / 0.288 kg; 2.63" x 4.79" x 1.51" / 6.68 x 12.17 x 3.84cm (l,w,h).

EL-CBOx-xxx Removable Cover Bezel
Touch Panels require a removable cover bezel for the finishing touch. The cover bezel is sold separately and can be plated to match your interior.

Note: The "-xx" in the model number designates the configuration of the unit.
The "-x" suffix designates the type of connector utilized.

LIGHTS AND GASPERS

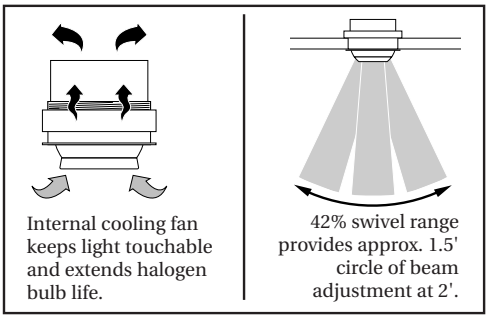
Halogen Reading Lights

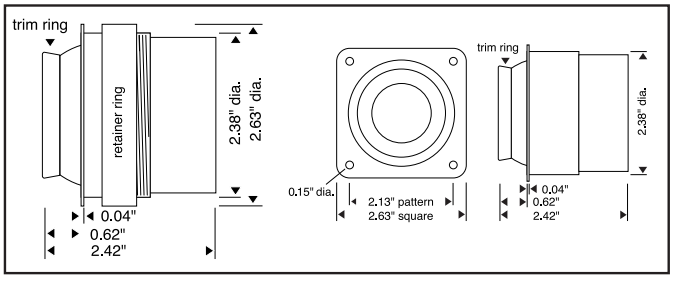
- Self-Contained Bright/Dim Electronics
- No Separate Modules or Controls Required
- Internal Cooling Fan
- Square Mount or Round Mount

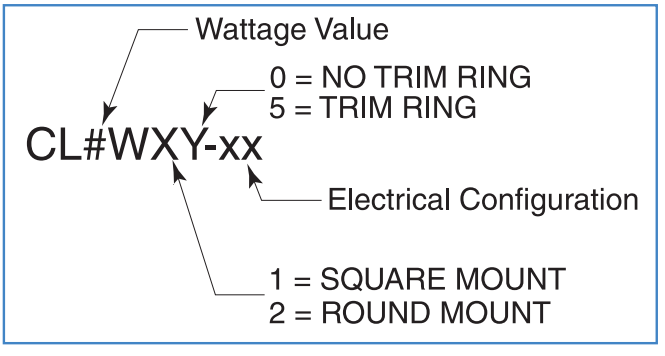
These attractive fixtures blend with any interior decor. Anodized aluminum or standard plating options are available. Brilliant halogen bulb delivers maximum color correct illumination. the beam is specially focused for even light intensity and comfortable viewing. Raised trim ring allows easy one-hand adjustment. Available with 12 or 16 watts bulbs. Choose round or square mounting, simple on/off, or on/off with dimming (single or dual button control); refer to the blue box below.

28 VDC operation.

Weight: 0.38 lb / 0.17 kg.


Internal cooling fan keeps light touchable and extends halogen bulb life.
42% swivel range provides approx. 1.5' circle of beam adjustment at 2'.





Cabin Light Bulb Replacement Kit - CLxxWSK-5

Time saving and convenient, this simple kit contains five spare halogen bulbs and the special tool needed to access AI's CL series cabin lights. Compact kit stores easily on aircraft.

xx = 12 or 16 watt bulbs. Weight: 0.165 lb / 0.075 kg.

Dimensions: 3.0" x 4.6" x 1.2" / 7.62 x 11.7 x 3.05cm (l,w,h)

Flat Lights

FL-37-x-x-x - Dome Light This advanced Dome Light is a flat, rectangular light with an emergency light input designed for general lighting. This Dome light utilizes a series of high bright LEDs. Available in 24 VDC and 6.3 VDC emergency light input models.
0.3 lb / 0.14 kg; 5.75" x 3.35" x 1.35" / 14.61 x 8.51 x 3.43cm (l,w,h).

FL-38-1-x-x - Dome Light This efficient Dome Light is a flat, rectangular light with an emergency light input designed for general lighting. This light also utilizes the high bright LED system.
0.3 lb / 0.14 kg; 5.75" x 3.35" x 1.35" / 14.61 x 8.51 x 3.43cm (l,w,h).

FL-39-x-x-x - Dome Light The FL-39-x-x-x is a dome light with a green backlit on/off switch and an emergency light input. Also available in 24 VDC and 6.3 VDC emergency light input models.
0.3 lb / 0.14 kg; 6.5" x 3.35" x 1.42" / 16.51 x 8.51 x 3.61cm (l,w,h).

Note: All lights are available with or without a durable protective grill.

GASPERS

Air Gaspers - Perfect matching complement to the reading lights. Anodized aluminum finish or standard plating options are available. Features smooth fingertip airstream control with 42" swivel range.

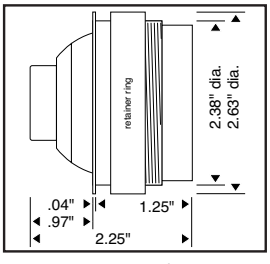
Models are available for two different types of air distribution. One features a semi-open back for use with direct or ducted air. The other provides a fitting for connection directly to an air tube. Choose round mounting or square mounting. Weight: 0.31 lb / 0.14 kg.

95-320-01-1 - Round Mount, Air Tube Connect

95-320-01-2 - Round Mount, Direct Air Connect

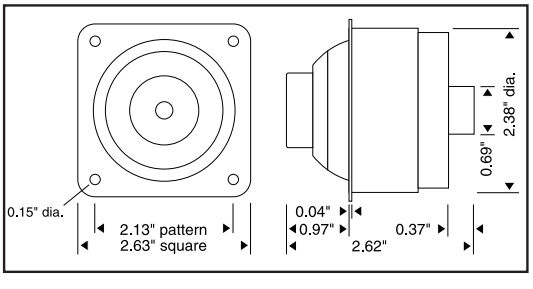
95-320-02-1 - Square Mount, Air Tube Connect

95-320-02-2 - Square Mount, Direct Air Connect



Round Mounting

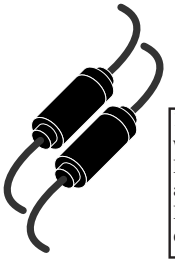
Square Mounting



Note: The "-xx" in the model number designates the configuration of the unit. The "-x" suffix designates the type of connector utilized.

Isolation Transformers

ISO-1-600 - Audio Isolation Transformer High quality component, useful for reducing or eliminating system electrical noise associated with ground loops before amplification. 600 ohms primary and secondary impedance. 20 Hz to 20 kHz Frequency Response 0.21 lb / 0.7 kg; 2.0" x 0.75" dia./5.1 x 1.9cm

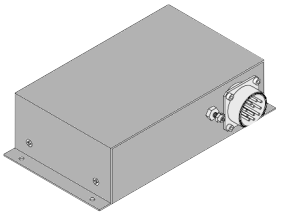


18" leads with Gold Plated male and female RCA phono connectors

ISO-1-10k - Audio Isolation Transformer Same as above except with 10 k-ohms primary and secondary impedance.

Conditioning Filters

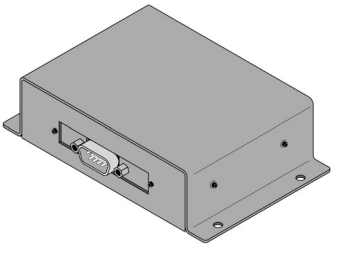
PCF-100-x - Power Conditioning Filter A high quality, compact, and lightweight unit that takes DC power and filters out the AC noise and interference associated with this power. The output provided is a clean conditioned signal that can be utilized on Audio International's source equipment, power amplifiers, and modules. *The "-x" suffix denotes the connector that is utilized.; -1 = Positronic and -2 = D-Subminiature.*



28 VDC operation at 13 amps, maximum. 1.7 lb / 0.77 kg; 3.78" x 6.95" x 1.92" / 9.6 x 17.65 x 4.88cm (l,w,h)

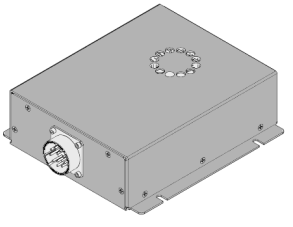
DC Power Supplies

AI-PSxx-3 - Switching Power Supply Compact and lightweight. 3 amp continuous output with very low heat generation. Converts aircraft 28 VDC to a variety of special voltage applications. Black anodized aluminum housing. custom versions with other output voltages are available upon request.



0.42 lb / 0.19 kg; 3.1" x 5.0" x 1.3" / 7.9 x 12.7x 3.9cm (l,w,h)

AI-PS28-9 - Switching Power Supply This efficient switching supply converts standard 28 VDC input power to isolated and regulated 28 VDC output. Accommodating a variety of special voltage applications for audio/video equipment, LCD monitor displays, digital circuits, membrane switch systems, and other applications. Shunts any possible high frequency interference that may be produced by the power supply to ground potential. Rated at 90% efficiency. Internal cooling fan. Two isolated and regulated 28 VDC outputs. 8 amps at 28 VDC output power.



1.55 lb / 0.70 kg; 6.88" x 5.86" x 1.91" / 17.48 x 14.88 x 4.85cm (l,w,h).

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Audio International will be the global leader in premier quality audio/video and control systems for the executive aircraft industry. Through innovation and commitment we will provide products, services, and marketing of such exceptional value that customers will actively choose to do business with Audio International.

Service

Audio International is also committed to maintaining one of the best Customer Support Policies in the industry. In addition to our standard warranty coverage, we provide a Twenty-four hour, seven-day-a-week AOG Emergency hotline, twenty-four hour repair turnaround (whenever possible), and a backup loaner / repair program.

Engineering & Design Services

At Audio International, we can design a system that's right for you, from the simplest cabin entertainment to entire complex systems. Our development engineers are always ready to help you with proven solutions for your aircraft needs. We offer systems for both OEM and custom applications.

Major Completion Center Customers Include:

Associated Air
Falcon Service
Galaxy Aerospace
JetAviation
Midcoast Aviation
...and many others.

Duncan Aviation
Gulfstream Aerospace
Innotech
Learjet
Sogerma

OEM Contracts Include

Beech, Bombardier (Canadair and Learjet), Cessna, Dassault Falcon Jet, Gulfstream, Pilatus, Raytheon, and Sikorsky

Audio International manufactures a complete line of audio and video entertainment equipment & cabin control systems including: Cabin Control Modules, Infrared Control Systems, Chime/Paging Units, Audio/Video Selectors, Amps, and Distribution Systems, LCD Video Display Systems, Crossover, Equalizers, Speakers, and Speaker Enclosures, Entertainment Source Equipment, Touch Screen Passenger Control Panels, Cabin Lighting, and Monitors.

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